

H Cycle Pittsburg Renewable Hydrogen Project

DRAFT Environmental Impact Report SCH Number 2023040173

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Prepared For:



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ACRONYMS AND ABBREVIATIONS

Abbreviation/ Acronym	Definition
$\mu\text{g}/\text{m}^3$	Micrograms per cubic meter
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
ABAG	Association of Bay Area Governments
AERMIC	American Meteorological Society/Environmental Protection Agency Regulatory Model Improvement Committee
AERMOD	American Meteorological Society/Environmental Protection Agency Regional Modeling System
AF/yr	Acre-feet per year
AHI	Air hazard index
APCO	Air Pollution Control Officer
Applicant	HC (Contra Costa), LLC
ATC	Authority to Construct
ATC/PTO	Authority to Construct and Permit to Operate
BAAQMD	Bay Area Quality Management District
BARR	Bay Area Regional Reliability
BMP	Best management practice
BNSF	The Burlington Northern & Santa Fe
BPIP-PRIME	Building Profile Input Program with Plume Rise Model Enhancements
CABFFP	California Board of Forestry and Fire Protection
CalARP	California Accidental Release Prevention

Abbreviation/ Acronym	Definition
CalEPA	California Environmental Protection Agency
CalEEMod	California Emissions Estimator Model
CAP	Criteria air pollutant
CARB	California Air Resources Board
CAPCOA	California Air Pollution Control Officers Association
CBC	California Building Standards Code
CBPP	Countywide Bicycle and Pedestrian Plan
CCAA	California Clean Air Act
CCCYPD	Contra Costa County Fire Protection District
CCTA	Contra Costa Transportation Authority
CCWD	Contra Costa Water District
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CFC	Chlorofluorocarbon
CFD	Community Facilities District
CFR	Code of Federal Regulations
CGC	California Government Code
CH ₄	Methane
CHI	Chronic hazard index
City	City of Pittsburg
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	Carbon monoxide
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
County	Contra Costa County
CPUC	California Public Utility Commission
CRHR	California Register of Historical Resources
CSTDM	California Statewide Travel Demand Model
CUPA	Certified Unified Permitting Agency
CVP	Central Valley Project
CWA	Clean Water Act
dB	Decibels
dBA	A-weighted scale

Abbreviation/ Acronym	Definition
DDSD	Delta Diablo Sanitary District
DOF	Department of Finance
DPF	Diesel particulate filter
DPM	Diesel particulate matter
DTSC	California Department of Toxic Substances and Control
EIR	Environmental Impact Report
EMSW	Engineered Municipal Solid Waste
EPA	United States Environmental Protection Agency
ERF	Emission Reduction Factor
ESA	Endangered Species Act
FAH	Fraction of Time at Home
FCAA	Federal Clean Air Act
g/s	Grams per second
GEP	Good Engineering Practice
GHG	Greenhouse gas
GLC	Ground-level concentration
GPD	Gallons per day
gpm	Gallons per minute
GW	Gigawatts
GWh	Gigawatt hours
GWP	Global warming potential
HAP	Hazardous Air Pollutant
HARP	Hot Spots Analysis & Reporting Program
HCD	Housing and Community Development
HCFC	Hydrochlorofluorocarbon
HFC	Hydrofluorocarbon
HMTA	Hazardous Materials Transportation Act
HRA	Health risk assessment
HVAC	Heating, ventilating, and air conditioning
IEPR	Integrated Energy Policy Report
IG	General Industrial
ISO	Industrial Safety Ordnances
kg	Kilogram
kg/day	Kilograms per day
kW	Kilowatts

Abbreviation/ Acronym	Definition
kWh	Kilowatt hours
lb	Pounds
lb/yr	Pounds per year
LCFS	Low Carbon Fuel Standard
LOS	Level of service
m	Meters
m/s	Meters per second
MBTA	Migratory Bird Treaty Act
MCE	Marin Clean Energy
MEIR	Maximally exposed individual resident
MEIW	Maximally exposed individual worker
MGD	Million gallons per day
mg/kg	Milligrams per kilogram
MMBtu	Million British thermal unit
MMgal/yr	Million gallons per year
MPO	Metropolitan planning organization
MSW	Municipal solid waste
MTCO ₂ e	Metric tons of carbon dioxide equivalent
MW	Megawatts
MWh	Megawatt hours
N/A	Not applicable
N ₂ O	Nitrous oxide
NAAQS	National Ambient Air Quality Standard
NED	National Elevation Dataset
NFPA	National Fire Protection Association
NOP	Notice of Preparation
NO _x	Nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
OEHHA	Office of Health Hazard Assessment
OMNI CT	Omni Conversion Technologies
OPR	Office of Planning and Research
PFC	Perfluorocarbon
PFDF	Project Feedstock Design Feature
PG&E	Pacific Gas and Electric Company

Abbreviation/ Acronym	Definition
PM	Particulate matter
PM ₁₀	Respirable particulate matter
PM _{2.5}	Fine particulate matter
PMC	Pittsburg Municipal Code
PMI	Particulate matter index
POC	Particulate organic carbon
PPA	Power purchase agreement
ppb	Parts per billion
PPC	Pittsburg Power Company
PPD	Pittsburg Police Department
ppm	Parts per million
ppmv	Parts per million by volume
PRC	Public Resources Code
PSA	Pressure swing adsorption
PTE	Potential to emit
REL	Reference exposure level
RfD	Reference dose
RHNA	Regional Housing Needs Allocation
RMP	Risk Management Plan
ROG	Reactive organic gas
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCR	Selective catalytic reduction
SF ₆	Sulfur hexafluoride
SFB-RWQB	San Francisco Bay Regional Water Quality Board
SGMA	Sustainable Groundwater Management Act
SIP	State Implementation Plan
SLCP	Short-lived climate pollutants
SO ₂	Sulfur dioxide
SR	State Route
SRM	Solid Residue Melter
T&C	Transmission and delivery
TAC	Toxic air contaminant
TPD	Tons per day

Abbreviation/ Acronym	Definition
tpy	Tons per year
UBC	Uniform Building Code
UFC	Uniform Fire Code
USC	United States Code
USACE	United States Army Corps of Engineers
USDOT	United States Department of Transportation
USFWS	United States Fish and Wildlife Service
USGW	United States Geological Survey
UWMP	Urban Water Management Plan
VMT	Vehicle Miles of Travel
VOC	Volatile organic compound
WAF	Worker Adjustment Factor
WTP	Water Treatment Plan
yr	Year

ES.1 INTRODUCTION

HC (Contra Costa), LLC (Applicant) is proposing to construct and operate the H Cycle Pittsburg Renewable Hydrogen (Project) an approximately 12-acre renewable hydrogen facility in the city of Pittsburg (City) that would use sorted waste materials as feedstock in a non-combustion thermal conversion process. Hydrogen will be used for direct use in fuel cell vehicles, particularly heavy-duty trucks and buses, and also has the potential to decarbonize the production of renewable fuels.

The requested physical and operational changes associated with the proposed Project constitute a “project” as defined by the California Environmental Quality Act (“CEQA,” Public Resources Code Section 21000 *et seq.*) and the State CEQA Guidelines (California Code of Regulations, Title 14, Section 15000 *et seq.*). The proposed Project also requires discretionary action by the City wherein the City has the authority to use its judgment in deciding whether or how to carry out or approve the proposed Project. Therefore, the proposed Project is subject to the requirements of CEQA. For the purposes of CEQA, the term “project” refers to the whole of an action that has the potential to result in a direct physical change or a reasonably foreseeable indirect physical change in the environment (CEQA Guidelines Section 15378).

As the public agency with primary land use authority over the proposed Project, the City is the “lead agency” overseeing and administering the CEQA environmental review process. The City has prepared this Environmental Impact Report (EIR) pursuant to CEQA and the State CEQA Guidelines to provide the public and responsible and trustee agencies with information about the potential environmental effects of the proposed Project.

ES.2 PROJECT OBJECTIVES

The Applicant has identified the following objectives for the proposed Project:

- Develop and operate a renewable hydrogen production facility to convert waste organic feedstock to a useful product, thereby advancing California’s goal (Senate Bill [SB]1383, Assembly Bill [AB] 939) to divert organic materials from landfills and reduce landfill methane generation.
- Produce low-carbon, renewable hydrogen for use in fuel cell vehicles, particularly heavy-duty trucks and buses, and for use in the production of renewable fuels, thereby advancing the goals of California legislation, such as SB32, and regulatory programs, including the Low Carbon Fuel Standard (LCFS) and Advanced Clean Fleets programs.
 - Promote the local transition of heavy-duty trucks and buses to zero-emission fuel cells to reduce local emissions of harmful pollutants, including the intent to decrease local diesel particular matter (PM) pollution, without substantially increasing local fuel costs.
 - Reduce the carbon intensity of hydrogen feedstock supply for the Bay Area’s renewable fuels producers.

- Align with the Justice40 Initiative by investing in a clean energy and energy efficient facility that would remediate and reduce legacy pollution for a community that has been historically underserved.
- Divert an average waste feedstock volume of 350 short ton per day (TPD) and a peak volume of up to 550 TPD from landfills; thereby providing an average dry feedstock volume of 220 TPD, with a peak volume of up to 250 TPD.¹
- Produce up to 25,000 kilograms (kg) per day of carbon-negative renewable hydrogen and up to 50 TPD of vitrified slag byproduct.
- Abate current and future greenhouse gas emissions by displacing fossil fuels and reducing landfill methane emissions.
- Generate renewable hydrogen while minimizing the use of electricity and land.

ES.3 ORGANIZATION OF THE EIR

The EIR contains the following sections:

- **Chapter 1 - Introduction** includes a general overview of the proposed Project, the environmental review process, and purpose and scope of the EIR.
- **Chapter 2 - Project Description** describes the proposed Project, its location and facilities, an overview of its operation, and schedule.
- **Chapter 3 - Environmental Impact Analysis, Methodology, and Baseline** describes existing environmental conditions within issue areas, project-specific impacts and associated mitigation measures, and includes the reference materials used to prepare the analysis.
- **Chapter 4 - Cumulative Impacts** describes the cumulative environmental impacts of the proposed Project when combined with other projects located in the vicinity of the project site and lists the projects considered in the evaluation of cumulative impacts.
- **Chapter 5 - Alternatives** describes the alternatives to the proposed Project carried forward for analysis and the alternatives that were considered but eliminated from detailed evaluation.
- **Chapter 6 - Other CEQA Considerations** addresses other required CEQA elements, including significant irreversible effects and an evaluation of growth-inducing impacts of the proposed Project.
- **Chapter 7 - List of Preparers and References** presents information on the individuals who prepared the EIR and their qualifications.

¹ The balance of mass volume is evaporated as moisture or returned to the feedstock supplier for recycling or landfilling.

ES.4 PROPOSED PROJECT

The project site is located in the city of Pittsburg along New York Slough, southeast of the Pittsburg Marina. The project site is at the corner of Arcy Lane where it turns west, approximately 0.4 mile north of the Pittsburg-Antioch Highway. The Burlington Northern & Santa Fe (BNSF) Railroad runs west to east just south of the project site. Union Pacific Railroad (UPRR) is located south of the project site. State Route 4 (SR 4) is south of the project site.

The surrounding project area is mostly vacant with some residual pieces of industrial equipment, a few railroad spurs, five buildings that account for less than one acre, and includes exterior and interior access roads that would be improved and maintained for the project. An existing industrial tenant is using one building in the Study Area that may require relocation elsewhere within the Corteva industrial park. Permanent usage of the proposed renewable hydrogen facility would be approximately 12 acres of the 24-acre Study Area.

The proposed project site would encompass approximately 20 acres, including laydown and staging areas. The existing buildings, ancillary structures and equipment would be demolished and/or removed. The proposed Project would comprise an approximately 8,000-square foot office and control building to receive and prepare the feedstock; two outdoor storage silos (approximately 4,000 square feet each); 125,000-square foot outdoor hydrogen purification unit, a 12,000 square foot OMNI Conversion Technologies waste processing plant, 20,000 square-foot wastewater treatment facility; 13,600-square foot substation yard with electrical switch gear; 3,500 linear feet of security fencing with restricted gate access; and 110,000 square feet of primary and emergency access roads. The maximum building height is expected to be less than 100 feet.

ES.5 ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

This EIR includes a detailed evaluation of the potentially significant environmental effects that could result from implementation of the proposed Project on a variety of resource topics. Table ES-1 presents a summary of potential impacts of and mitigation measures for the proposed Project.

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.1 Aesthetics	AES-1	Have a substantial adverse effect on a scenic vista.	Less than Significant	No mitigation required.	Less than Significant
	AES-3	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings. If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality.	Less than Significant	No mitigation required.	Less than Significant
	AES-4	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area.	Less than Significant	No mitigation required.	Less than Significant
3.3 Air Quality and Greenhouse Gas Emissions	AQ-1	Conflict with or obstruct implementation of the applicable air quality plan.	Less than Significant (Construction) and Potentially Significant (Operations)	Mitigation Measure AQ-O1a: To mitigate the potential for a significant impact from operational ROG, NOx, and respirable particulate matter (PM ₁₀) emissions, BAAQMD-approved emissions abatement equipment will be installed. Mitigation Measure AQ-O1b: To mitigate the potential for GHG emissions, the following measures will be implemented: Project Feedstock Design Feature incorporating the avoidance of landfill emissions with feedstock selection. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development). The project will not result in any wasteful, inefficient, or unnecessary energy use as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.	Less than Significant
	AQ-2	Expose sensitive receptors to substantial pollutant concentrations.	Less than Significant	No mitigation required.	Less than Significant
	AQ-3	Result in other emissions (such as those leading to odors) affecting a substantial number of people.	Less than Significant	No mitigation required.	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.3 Air Quality and Greenhouse Gas Emissions	AQ-4	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or State ambient air quality standard.	Less than Significant	No mitigation required.	Less than Significant
	AQ-5	Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs	Potentially Significant	<p>Mitigation Measure AQ-C2: To mitigate the potential for GHG emissions during construction, projects should incorporate <i>Best Management Practices for Construction-Related GHG Emissions</i>, presented below:</p> <ul style="list-style-type: none"> • Use zero-emission and hybrid-powered equipment to the greatest extent possible, particularly if emissions are occurring near sensitive receptors or located within a BAAQMD-designated Community Air Risk Evaluation (CARE) area or Assembly Bill 617 community. • Require all diesel-fueled off-road construction equipment be equipped with EPA Tier 4 Final compliant engines or better as a condition of contract. • Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to no more than 2 minutes (A 5-minute limit is required by the state airborne toxics control measure [Title 13, Sections 2449(d)(3) and 2485 of the California Code of Regulations]). Provide clear signage that posts this requirement for workers at the entrances to the site and develop an enforceable mechanism to monitor idling time to ensure compliance with this measure. • Prohibit off-road diesel-powered equipment from being in the “on” position for more than 10 hours per day. • Use California Air Resources Board-approved renewable diesel fuel in off-road construction equipment and on-road trucks. • Require all construction equipment to be maintained and properly tuned in accordance with manufacturer’s specifications. Equipment should be checked by a certified mechanic and determined to be running in proper condition prior to operation. 	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.3 Air Quality and Greenhouse Gas Emissions	AQ-5 (cont'd)	Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs	Potentially Significant	<ul style="list-style-type: none"> Where grid power is available, minimize portable diesel engines and provide electrical hook ups for electric construction tools, such as saws, drills, and compressors, and use electric tools whenever feasible. Where grid power is not available, use alternative fuels, such as propane or solar electrical power, for generators at construction sites. Encourage and provide carpools, shuttle vans, transit passes, and/or secure bicycle parking to construction workers and offer meal options on site or shuttles to nearby meal destinations for construction employees. Reduce electricity use in the construction office by using LED bulbs, powering off computers every day, and replacing heating and cooling units with more efficient ones. Minimize energy used during site preparation by deconstructing existing structures to the greatest extent feasible. Recycle, divert, or salvage nonhazardous construction and demolition debris, with a goal of recycling at least 15 percent more by weight than the diversion requirement in Title 24. Use locally sourced or recycled materials for construction materials (goal of at least 20 percent based on costs for building materials and based on volume for roadway, parking lot, sidewalk and curb materials). Wood products used should be certified through a sustainable forestry program. When feasible, use low-carbon concrete, and/or minimize the amount of concrete used. When feasible and if more efficient or lower emitting, produce concrete on-site instead of transporting ready-mix. Develop a plan to efficiently use water for adequate dust control since substantial amounts of energy can be consumed during the pumping of water. Include all requirements in applicable bid documents, purchase orders, and contracts, with successful contractors demonstrating the ability to supply the compliant on- or off-road construction equipment for use prior to any ground-disturbing and construction activities. 	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.3 Air Quality and Greenhouse Gas Emissions	AQ-5 (cont'd)	Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs	Potentially Significant	<p>Mitigation Measure AQ-O2: To mitigate the potential for GHG emissions during operations, the following measures will be implemented:</p> <ul style="list-style-type: none"> Project Feedstock Design Feature incorporating the avoidance of landfill emissions with feedstock selection. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development). The project will not result in any wasteful, inefficient, or unnecessary energy use as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines. 	Less than Significant
3.4 Biological Resources	BIO-1	Cause substantial adverse impacts to special-status species identified by the USFWS, California Department of Fish and Wildlife (CDFW), or NMFS due to project development.	Potentially Significant	<p>Mitigation Measure BIO-1a: General Work Site Best Management Practices. The following measures shall be included on all plans and employed by Applicant and its contractors to avoid and minimize impacts to water quality and other beneficial characteristics of wetlands at the project site:</p> <ul style="list-style-type: none"> No debris, soil, silt, sand, cement, concrete or washings thereof, or other construction-related materials or wastes, oil or petroleum products, or other organic or earthen material shall be allowed to enter into or be placed where it may be washed by rainfall or runoff into marshes or open water/ditches adjacent to the work areas. All personnel and their equipment shall be required to stay within the designated construction area to perform job-related tasks and shall not be allowed to enter wetlands, drainages and habitat of listed species. Pets shall not be allowed in or near the construction area. Firearms shall not be allowed in or near the construction area, except for armed security officers who may periodically patrol work sites. No intentional killing or injury of wildlife shall be permitted. The construction site shall be maintained in a clean condition. All trash (e.g., food scraps, cans, bottles, containers, wrappers, cigarette butts and other discarded items) shall be placed in closed containers and properly disposed off site. 	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.4 Biological Resources	BIO-1 (cont'd)	Cause substantial adverse impacts to special-status species identified by the USFWS, CDFW, or NMFS due to project development.	Potentially Significant	<p>Mitigation Measure BIO-1b: Spill and Accidental Discharge Prevention. The following measures shall be included on all plans and employed by Applicant and its contractors. Applicant and its contractors shall be responsible for structure operations in a manner that minimizes the risk of spills or the accidental discharge of fuels or hazardous materials. Applicant and its contractors shall, at a minimum, ensure that:</p> <ul style="list-style-type: none"> • All employees handling fuels and other hazardous materials are properly trained. • All equipment is in good operating order and inspected regularly. Hazardous materials, including chemicals, fuels and lubricating oils, shall not be stored within 200 feet of a wetland or water body. This applies to storage of these materials and does not apply to normal operation or use of equipment in these areas. • If refueling is needed on-Site, it will occur at least 100 feet from a surface water feature, and in a designated refueling area with secondary containment/plastic sheeting and a spill containment kit. <p>Mitigation Measure BIO-1c: Emergency Spill and Containment Plan. The following measures shall be included on all plans and employed by Applicant and its contractors. In the event of an accidental spill, the Facility Oil Spill Contingency Plan shall be implemented.</p> <ul style="list-style-type: none"> • Site-specific provisions shall be listed on the Safe Work Permit and included within the job plan maintained on-Site. • At a minimum, the Applicant and its contractors shall: <ul style="list-style-type: none"> ○ Ensure that each construction crew (including clean-up crews) has sufficient supplies of absorbent and barrier materials on-Site to allow the rapid containment and recovery of spilled materials, and that each construction crew knows the procedure for reporting spills. ○ Ensure that each construction crew has sufficient tools and material on Site to stop leaks. 	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.4 Biological Resources	BIO-1 (cont'd)	Cause substantial adverse impacts to special-status species identified by the USFWS, CDFW, or NMFS due to project development.	Potentially Significant	<ul style="list-style-type: none"> o Know the contact names and telephone numbers for all Applicant contacts and local, state and federal agencies (including, if necessary, the United States Coast Guard and the National Response Center) that might need to be notified in the event of a spill. o Follow the requirements of those agencies in cleaning up the spill, excavating and disposing soils or other materials contaminated by a spill, and collecting and disposing waste generated during spill cleanup. <p>Mitigation Measure BIO-1d: Stormwater Pollution Prevention Plan (SWPPP). The proposed Project shall adhere to and implement the requirements of the respective existing SWPPP for Corteva during project operations. Applicable measures for project construction shall be incorporated into the construction SWPPP plans by a qualified specialist and implemented prior to construction.</p> <p>Mitigation Measure BIO-1e: Demarcation of Limits of Work. Applicant and its contractors shall clearly demarcate the limits of work in the field. All project-related activity shall be confined to the designated work areas; no entry into adjacent areas shall be allowed by project personnel. Upon project completion, material used to mark the work boundary shall be removed.</p> <p>Mitigation Measure BIO-1f: Weed Spread Prevention. Applicant and its contractors shall implement measures to ensure that boots, clothing, vehicles and equipment are free of soils and plant parts prior to entering work areas.</p> <p>Mitigation Measure BIO-1g: Preconstruction Focused Soft-Bird's Beak Surveys. Focused surveys for soft-bird's beak shall be conducted by a qualified biologist each year during the appropriate blooming period (June 1 through September 30) prior to construction to confirm its absence. Locations of rare plants in proposed construction areas will be recorded using a GPS unit and flagged for avoidance or project proponent will consult with the appropriate agency regarding the potential to relocate the plants. When construction is occurring in the area of the flagged plants, a qualified biologist shall monitor</p>	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.4 Biological Resources	BIO-1 (cont'd)	Cause substantial adverse impacts to special-status species identified by the USFWS, CDFW, or NMFS due to project development.	Potentially Significant	<p>construction activities occurring in the vicinity of the flagged plants to ensure that no direct or indirect impacts occur.</p> <p>Mitigation Measure BIO-1h: Preconstruction Nesting Bird Surveys. No more than 5 days prior to construction during the nesting bird season (February 1 through September 15), a qualified biologist shall conduct a survey for nesting birds. If work within an area lapses for more than 14 days during the nesting season, the survey shall be repeated. The survey shall encompass all work areas and those areas within a buffer of 250 feet for passerines, 500 feet for small raptors, and 1,000 feet for large raptors. Where accessible, the location of active nests will be recorded using a handheld global-positioning system unit. Should an active nest be discovered, the area of the nest and an appropriate buffer area will be cordoned off during construction activities that could cause disturbance of the nest. The qualified biologist conducting the nesting surveys should prepare a report that provides details about the nesting outcome and the removal of buffers. This report should be submitted to the City for review and approval prior to the time that buffers are removed at the end of the project, at which time the biologist will confirm that the nests were not disturbed.</p>	Less than Significant
		Cause substantial adverse impacts to special-status species identified by the USFWS, CDFW, or NMFS due to project development.	Potentially Significant	<p>Measure BIO-1i: California Ridgway's Rail and California Black Rail Surveys. Prior to construction occurring during the rail nesting season (February 1 through August 31) within 700 feet of suitable rail habitat, surveys shall be conducted for California Ridgway's rail and California black rail in accordance with the USFWS Survey protocol for California Ridgway's rail. Surveys should be initiated between January 15 and February 1. For each survey station, four surveys are to be conducted. Surveys should be spaced at least two weeks apart and should cover the time period from the date of the first survey through the end of March or mid-April. If California Ridgway's or California black rails are detected during the survey, no work within 700 feet of the rail calling centers (identified via compass bearing and distance estimate during surveys) shall occur between February 1 and August 31, unless otherwise approved by USFWS and CDFW.</p>	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.4 Biological Resources	BIO-2	Disturbance or loss of sensitive natural communities or State and Federally protected wetlands	Potentially Significant	Mitigation Measure BIO-2: Implement Mitigation Measures BIO-1a, BIO-1b, BIO-1c, BIO-d, BIO-1e, and BIO-1f.	Less than Significant
	BIO-3	Interfere with wildlife migratory corridors or nursery sites.	Potentially Significant	Mitigation Measure BIO-3: Implement Mitigation Measures BIO-1a, BIO-1b, BIO-1c, BIO-1e, and BIO-1f.	Less than Significant
	BIO-4	Conflict with any local policies or ordinances protecting biological resources or provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or State habitat conservation plan.	Less than Significant	Mitigation BIO-4: Implement Mitigation Measures BIO-1a, BIO-1b, BIO-1c, BIO-1e, and BIO-1f.	Less than significant
3.5 Cultural and Tribal Cultural Resources	CR-1	Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5e.	Potentially Significant	<p>Mitigation Measure CR-C1a: Prepare and Implement an Inadvertent Discovery Plan. The following measures shall be included on all plans and employed by the Applicant and its contractors to avoid and minimize impacts to historical and archaeological resources at the project site:</p> <p>A plan for the inadvertent discovery of historic or cultural resources, or human remains will be prepared. If unanticipated cultural resources (historic or prehistoric artifacts, concentrations of shell, burnt or unburnt bone, stone features, etc.) are uncovered during grading or excavation activities, work immediately within 50 feet of the discovery of the find shall be halted, the city of Pittsburg Planning Division shall be notified, and a professional archaeologist that meets the Secretary of the Interior's Standards and Guidelines for Professional Qualifications in archaeology and/or history shall be retained to determine the significance of the discovery. A mitigation plan shall include such measures as avoidance, preservation in place, excavation, documentation, curation, data recovery, or other appropriate measures. The City shall consider mitigation recommendations presented in the mitigation plan. The Applicant shall be required to implement any mitigation necessary for the protection of cultural resources before ground-disturbing activities may resume.</p>	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.5 Cultural and Tribal Cultural Resources	CR-2	Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5.	Potentially significant	<p>Mitigation Measure CR-C1b: Provide Preconstruction Worker Awareness Training. The following measure shall be included on all plans and employed by the Applicant and its contractors to avoid and minimize impacts to historical and archaeological resources at the project site:</p> <p>As part of construction personnel training, the City of Pittsburg shall ensure that all construction personnel receive training that includes: 1) information on the possibility of encountering human or animal remains during construction; 2) the types of cultural resources are likely to be seen; and 3) proper procedures in the event of any inadvertent discovery. Worker training shall be prepared and presented by a qualified archaeologist.</p>	Less than Significant
	CR-3	Potentially disturb human remains, including those interred outside of formal cemeteries.	Potentially significant	<p>Mitigation Measure CR-C1a: Prepare and Implement an Inadvertent Discovery Plan.</p> <p>Mitigation Measure CR-C1b: Provide Preconstruction Worker Awareness Training.</p> <p>Mitigation Measure CR-C2: Excavation/Grading Halt upon Human Burial or Bone Discovery. The following measures shall be included on all plans and employed by the Applicant and its contractors to avoid and minimize impacts to historical and archaeological resources at the project site:</p> <p>In the event of the discovery of a burial, human bone, or suspected human bone: 1) all excavation and grading in the vicinity of the find shall be halted immediately; 2) the area of the find shall be cordoned off; and 3) the Applicant shall immediately notify the Contra Costa County Coroner of the find and comply with provisions of the California Public Resources Code (PRC) § 5097 with respect to Native American involvement, burial treatment, and re-burial, if necessary. If the coroner's office determines that the remains are Native American and not under its purview, it shall contact the Native American Heritage Commission as mandated by PRC § 5097.</p>	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.6 Energy	ENG-1	The proposed Project could result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.	Potentially Significant	<p>Mitigation Measure ENG-C1a: Provide incentives for construction workers to use electric vehicles, transit, bicycles, or carpool. As examples, construction workers could be provided preferential parking, stipends, and assistance to take advantage of the numerous federal and state electric vehicle incentives. Bicyclists can be provided electric bike subsidies through California's CalBike Program. Carpoolers can be provided reward programs (such as prize drawings), and employees can be encouraged to form carpools through rideshare matching and through other assistance.</p> <p>Mitigation Measure ENG-C1b: Provide incentives for zero emission delivery trucks to use the facility. Since California requires 100 percent zero emission truck sales beginning in 2036, most major truck manufacturers already have such vehicles on the market today. Incentives could involve preferences in vendor selection, preferred scheduling, free or low-cost recharging on site, and purchase incentives.</p> <p>Mitigation Measure ENG-C1c: Provide incentives for the construction contractor to use electric powered equipment on site.</p> <p>Mitigation Measure ENG-C1d: Provide incentives for the construction contractor to minimize and reuse waste generated on site.</p> <p>Mitigation Measure ENG-O1a: Require the Applicant to install EV charging stations.</p> <p>Mitigation Measure ENG-O1b: Require 10 percent of on-road commercial trucks entering the facility to be zero emission by 2030 and 100 percent to be zero emission by 2045.</p> <p>Mitigation Measure ENG-O1c: Require all buildings to comply with the adopted California Green Building Standards Code.</p> <p>Mitigation Measure ENG-O1d: Require the Applicant to prioritize parking for zero emission vehicles. Mitigation Measure ENG-O1e: Provide incentives for facility workers and visitors to use electric vehicles, bicycles, or transit, or to walk or carpool to the site.</p>	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.6 Energy	ENG-1 (cont'd)	The proposed Project could result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.	Potentially Significant	<p>Mitigation Measure ENG-O1f: Require the Applicant to participate in one or more of the numerous zero emission truck purchase programs if funding is available. For example, CARB provides funding assistance, planning resources, and other support to entities such as the Applicant to purchase zero-emission vehicles.</p> <p>Mitigation Measure ENG-O1g: Require 25 percent of all on-site forklifts, yard trucks, and company vehicles other than off-road equipment to be zero emission by 2030 and 100 percent to be zero emission by 2045.</p>	Less than Significant
	ENG-2	Would the proposed Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency.	Potentially Significant	<p>Mitigation Measure ENG-C2a: Provide incentives for construction workers to use electric vehicles, transit, bicycles, or carpool. As examples, construction workers could be provided preferential parking, stipends, and assistance to take advantage of the numerous federal and state electric vehicle incentives. Bicyclists can be provided electric bike subsidies through California's CalBike Program. Carpoolers can be provided reward programs (such as prize drawings), and employees can be encouraged to form carpools through rideshare matching and through other assistance.</p> <p>Mitigation Measure ENG-C2b: Provide incentives for zero emission delivery trucks to use the facility. Since California requires 100 percent zero emission truck sales beginning in 2036, most major truck manufacturers already have such vehicles on the market today. Incentives could involve preferences in vendor selection, preferred scheduling, free or low-cost recharging on site, and purchase incentives.</p> <p>Mitigation Measure ENG-C2c: Provide incentives for the construction contractor to use electric powered equipment on site.</p> <p>Mitigation Measure ENG-C2d: Provide incentives for the construction contractor to minimize and reuse waste generated on site.</p> <p>Mitigation Measure ENG-O2a: Require the Applicant to install EV charging stations.</p>	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.6 Energy	ENG-2 (cont'd)	Would the proposed Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency.	Potentially Significant	<p>Mitigation Measure ENG-O2b: Require 10 percent of on-road commercial trucks entering the facility to be zero emission by 2030 and 100 percent to be zero emission by 2045.</p> <p>Mitigation Measure ENG-O2c: Require all buildings to comply with the adopted California Green Building Standards Code.</p> <p>Mitigation Measure ENG-O2d: Require the Applicant to prioritize parking for zero emission vehicles.</p> <p>Mitigation Measure ENG-O2e: Provide incentives for facility workers and visitors to use electric vehicles, bicycles, or transit, or to walk or carpool to the site.</p> <p>Mitigation Measure ENG-O2f: Require the Applicant to participate in one or more of the numerous zero emission truck purchase programs if funding is available. For example, CARB provides funding assistance, planning resources, and other support to entities such as the Applicant to purchase zero-emission vehicles.</p> <p>Mitigation Measure ENG-O2g: Require 25 percent of all on-site forklifts, yard trucks, and company vehicles other than off-road equipment to be zero emission by 2030 and 100 percent to be zero emission by 2045.</p>	Less than Significant
3.7 Geology and Soils	GEO-1	Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury or death involving a) rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? B) strong seismic ground shaking? C) seismic-related ground failure, including liquefaction? D) landslides.	Potentially Significant	Mitigation Measure GEO-1: Compliance with California Building Code requirements	Less than Significant
	GEO-2	Result in substantial soil erosion or the loss of topsoil.	Less than Significant	No mitigation required.	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.7 Geology and Soils	GEO-3	Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse.	Potentially Significant	Mitigation Measure GEO-1: Compliance with California Building Code requirements	Less than Significant
	GEO-4	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property.	Potentially Significant	Mitigation Measure GEO-1: Compliance with California Building Code requirements	Less than Significant
	GEO-6	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.	Less than Significant	No mitigation required.	Less than Significant
3.9 Hazards and Hazardous Materials	HAZ-1	Create a hazard to workers, the public and/or the environment through the routine transport, use, and/or disposal of hazardous materials.	Less than Significant	No mitigation required.	Less than Significant
	HAZ-2	Create a hazard to workers, the public, and/or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment.	Less than Significant	No mitigation required.	Less than Significant
	HAZ-4	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, create a significant hazard to the public or the environment.	Less than Significant	No mitigation required.	Less than Significant
	HAZ-5	For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area.	Less than Significant	No mitigation required.	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.9 Hazards and Hazardous Materials	HAZ-6	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.	Less than Significant	No mitigation required.	Less than Significant
3.10 Hydrology and Water Quality	HWQ-1	Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality.	Less than Significant	No mitigation required	Less than significant
	HWQ-3	Substantially alter the existing drainage pattern of area in a manner which would result in substantial erosion or siltation on- or off-site.	Less than Significant	No mitigation required.	Less than Significant
	HWQ-4	Substantially alter the existing drainage pattern of area in a manner which would substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site.	Less than Significant	No mitigation required.	Less than Significant
3.10 Hydrology and Water Quality	HWQ-5	Substantially alter the existing drainage pattern of area in a manner which would create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff.	Less than Significant	No mitigation required.	Less than Significant
	HWQ-6	Substantially alter the existing drainage pattern of area in a manner which would impede or redirect flood flows.	Less than Significant	No mitigation required.	Less than Significant
	HWQ-7	In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation.	Less than Significant	No mitigation required.	Less than Significant
	HWQ-8	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan.	Less than Significant (Operations only)	No mitigation required.	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.11 Land Use	LU-1	Physically divide an established community.	Less than Significant	No mitigation required.	Less than Significant
3.12 Noise	NOI-1	Generation of a substantial temporary increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.	Less than Significant	No mitigation required.	Less than Significant
	NOI-2	Generation of excessive temporary groundborne vibration or groundborne noise levels.	Less than Significant	No mitigation required.	Less than Significant
3.14 Public Services	PUB-1	Substantial adverse physical impacts associated with the need or provision of new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for fire protection.	Less than Significant	No mitigation required.	Less than Significant
3.14 Public Services	PUB-2	Substantial adverse physical impacts associated with the need or provision of new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for police protection.	Less than Significant	No mitigation required.	Less than Significant
3.16 Transportation	TRAN-1	Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities.	Less than Significant	No mitigation required.	Less than Significant
	TRAN-2	Conflict or be inconsistent with CEQA Guidelines Section 15064.3(b).	Less than Significant	No mitigation required.	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.16 Transportation	TRAN-3	Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment).	Less than Significant	No mitigation required.	Less than Significant
	TRAN-4	Result in inadequate emergency access.	Less than Significant	No mitigation required.	Less than Significant
3.17 Utilities and Service Systems	UTIL-1	Need for relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects.	Less than Significant	No mitigation required.	Less than Significant
	UTIL-2	Adequacy of available water supplies to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years.	Less than Significant	No mitigation required.	Less than Significant
	UTIL-3	Project construction and operations result in a determination by the wastewater treatment provider that it has inadequate capacity to serve the project's projected demand in addition to the provider's existing commitments.	Less than Significant	No mitigation required.	Less than Significant
	UTIL-4	Generation of solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals.	Less than Significant	No mitigation required.	Less than Significant
	UTIL-5	Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	Less than Significant	No mitigation required.	Less than Significant

Table ES-1: Summary of Project Impacts and Mitigation Measures

SECTION	IMPACT NUMBER	IMPACT	LEVEL OF SIGNIFICANCE WITHOUT MITIGATION	MITIGATION MEASURES	LEVEL OF SIGNIFICANCE AFTER MITIGATION
3.18 Wildfire	WF-2	Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of wildfire.	Less than Significant	No mitigation required.	Less than Significant

ES.6 SUMMARY OF POTENTIALLY SIGNIFICANT IMPACTS OF THE PROJECT

The proposed Project could cause potentially significant temporary impacts to special-status species during construction. While construction impacts of the proposed Project would be temporary, mitigation measures are identified that would reduce these impacts to less than significant by conducting pre-construction surveys, demarcating sensitive habitats, and implementing best management practices.

The proposed Project could cause potentially significant temporary impacts to cultural resources during construction. Mitigation measures including preparation of a discovery plan and training of site workers would reduce these impacts to less than significant.

The proposed Project could cause potentially significant temporary impacts to air emissions and greenhouse gases during construction. Use of electric and/or compliant diesel construction equipment would reduce these impacts and potential energy impacts to less than significant during construction. Potential impacts to air during operations would be reduced to less than significant by the installation of Best Available Control Technologies. Potentially significant impacts to energy during operations would be reduced by building design and adding energy saving and generating features to the facility.

Potentially significant impacts to geological resources would be reduced to less than significant by the application of state building codes to the project design.

ES.7 ALTERNATIVES TO THE PROPOSED PROJECT

CEQA requires consideration of a range of reasonable alternatives to the project or project location that: (1) could feasibly attain most of the basic project objectives; and (2) would avoid or substantially lessen any of the significant impacts of the proposed project. The following is a summary of alternatives analyzed in this EIR. A more detailed discussion is included in Chapter 5.0, Alternatives.

No Project Alternative

The No Project Alternative assumes the baseline condition of the project site would remain in its current condition largely underutilized and consisting of storage for industrial equipment, rail and idled infrastructure. Given the industrial zoning and potential for redevelopment, the current condition baseline is a conservative estimate for evaluating alternative project impacts.

Electrolysis Alternative A

Electrolysis is an alternative method to produce “green” hydrogen and can enable low-to-zero carbon emission hydrogen, depending on the source of the electricity input. Using an electricity-intensive process, electrolyzers separate highly purified water into hydrogen and oxygen gases. Large-scale hydrogen production using electrolysis is expected to become more widespread in the near/medium-term, but it is a nascent market with approximately 700 megawatts (MW) of global electrolyzer

capacity², which is capable of producing approximately 300,000 kg/day of hydrogen³. The proposed Project would be capable of producing up to 25,000 kg/day of hydrogen, which represents a meaningful contribution to existing global green hydrogen production capacity and helps meet the growing demand for low-carbon energy products.

At this time electrolysis projects in California are only happening in the Central Valley and desert areas in the southern parts of the state where there is sufficient low-cost land to build large-scale solar farms plus electrolysis projects. Due to these concerns similar projects are not being constructed in urban or semi-urban areas. As reference, the closest large-scale electrolysis project to the project site is Plug Power's project in Mendota.

Electrolysis Alternative B

The Electrolysis Alternative B shares similarities and impacts to Electrolysis Alternative A above, however, Electrolysis Alternative B assumes a low-to-zero carbon emission profile powered entirely with co-located renewable energy, such as wind, solar or hydropower electricity, instead of a standard utility grid mix. An electrolyzer project with co-located solar power that produces the equivalent hydrogen output as the proposed Project would require more than 1,000 acres⁴ which is only viable in rural California areas, and not a feasible project alternative in or near Pittsburg. Therefore, Electrolysis Alternative B is assumed to be located generally in central California, not the City. Apart from the project location and electricity source, Electrolysis Alternative B shares all other project features with Electrolysis Alternative A.

Downsize Alternative

CEQA Guidelines do not prescribe a downsize threshold for evaluating project alternatives, however, for the purposes of this analysis, it is assumed the Downsize Alternative processes 50 percent of the MSW feedstock and therefore produces 50 percent of the hydrogen output. While the throughput of material is reduced, the design of the Omni Conversion Technologies (Omni CT) waste conversion unit is not assumed to be reduced because there is no viable alternative size offered by Omni CT.

System size reduction of 50 percent does reduce capital cost; however, it also decreases the capital efficiency (i.e., it increases the capital cost per kg/day of hydrogen production capacity) because the fixed costs of development, permitting and engineering would not decrease significantly, and the OMNI system cost would not decrease significantly, as described above. Diseconomies of scale would render the facility financially infeasible because the required sales price for the hydrogen produced would be too high to attract buyers.

² <https://www.iea.org/energy-system/low-emission-fuels/electrolysers>

³ Assumes 50 kWh/kg electrolyzer efficiency.

⁴ Assumes 80 MW of electrolysis capacity powered by 200 MW solar PV and batteries to produce 25,000 kg/day; assumes solar PV requires 5-6 acres per 1 MW capacity.

Environmentally Superior Alternative

The Electrolysis alternatives A and B would reduce some environmental impacts such as truck traffic; however, the electrolysis alternatives would create potentially significant impacts related to energy usage and land use (particularly Electrolysis Alternative B) and could impact biological, cultural and water quality resources more than the proposed Project.

The Downsize Alternative would obtain reduced benefit from the proposed Project objectives, while minimizing the environmental impacts of the proposed Project and avoiding additional impacts. In accordance with CEQA Guidelines, the Downsize Alternative case is therefore the environmentally superior alternative, in lieu of the No Project Alternative, which would reduce all proposed project impacts completely, but is prohibited from being deemed the environmentally superior alternative.

ES.8 KNOWN AREAS OF CONTROVERSY OR UNRESOLVED ISSUES

CEQA requires a statement of issues to be resolved and areas of known controversy. However, at this time there have not been any controversial or unresolved issues identified by resource agencies and interested parties as topics of particular interest during the EIR scoping process.

Written and spoken comments received during the public comment period on the notice of preparation of this EIR are included in Appendix A.

This chapter provides a brief introduction to the H Cycle Pittsburg Renewable Hydrogen Project (Project) and summarizes the process for evaluation of potential environmental impacts thereof. Chapter 2, Project Description, provides a detailed description of the proposed Project, including existing conditions and proposed physical and operational changes to the project site.

1.1 PROJECT OVERVIEW

HC (Contra Costa), LLC (Applicant) is proposing to construct and operate an approximately 12-acre renewable hydrogen facility in the city of Pittsburg (City) that would use sorted waste materials as feedstock in a non-combustion thermal conversion process. Hydrogen would be used for direct use in fuel cell vehicles, particularly heavy-duty trucks and buses and also has the potential to decarbonize the production of renewable fuels.

1.2 PROJECT OBJECTIVES

The Applicant has identified the following objectives for the proposed Project:

- Develop and operate a renewable hydrogen production facility to convert waste organic feedstock to a useful product, thereby advancing California’s goal (Senate Bill [SB]1383, Assembly Bill [AB] 939) to divert organic materials from landfills⁵ and reduce landfill methane generation.
- Produce low-carbon, renewable hydrogen for use in fuel cell vehicles, particularly heavy-duty trucks and buses, and for use in the production of renewable fuels, thereby advancing the goals of California legislation, such as SB32, and regulatory programs, including the Low Carbon Fuel Standard (LCFS) and Advanced Clean Fleets programs.
 - Promote the local transition of heavy-duty trucks and buses to zero-emission fuel cells to reduce local emissions of harmful pollutants, including the intent to decrease local diesel PM pollution, without substantially increasing local fuel costs.
 - Reduce the carbon intensity of hydrogen feedstock supply for the Bay Area’s renewable fuels producers.
- Align with the Justice40 Initiative⁶ by investing in a clean energy and energy efficient facility that would remediate and reduce legacy pollution for a community that has been historically underserved.

⁵ Note that CalRecycle 2020 report (“Analysis of the Progress Toward the SB1383 Organic Waste Reduction Goals”) concluded that 27 million tons/year of organic waste must be diverted in a beneficial and cost-effective manner.

⁶ Executive Order 14008 made it a goal that 40 percent of the overall benefits of certain Federal investments flow to disadvantaged communities that are marginalized, underserved, and overburdened by pollution. The categories of investment are: climate change, clean energy and energy efficiency, clean transit, affordable and sustainable housing, training and workforce development, remediation and reduction of legacy pollution, and the development of critical clean water and wastewater infrastructure.

- Divert an average waste feedstock volume of 350 short ton per day (TPD) and a peak volume of up to 550 TPD from landfills; thereby providing an average dry feedstock volume of 220 TPD, with a peak volume of up to 250 TPD.⁷
- Produce up to 25,000 kilograms per day (kg/day) of carbon-negative renewable hydrogen and up to 50 TPD of vitrified slag byproduct.
- Abate current and future greenhouse gas emissions by displacing fossil fuels and reducing landfill methane emissions.
- Generate renewable hydrogen while minimizing the use of electricity and land.

1.3 APPLICABILITY OF THE CALIFORNIA ENVIRONMENTAL QUALITY ACT

The requested physical and operational changes associated with the proposed Project constitute a “project” as defined by the California Environmental Quality Act (“CEQA,” Public Resources Code Section 21000 *et seq.*) and the State CEQA Guidelines (California Code of Regulations, Title 14, Section 15000 *et seq.*). The proposed Project also requires discretionary action by City wherein the City has the authority to use its judgment in deciding whether or how to carry out or approve the proposed Project. Therefore, the proposed Project is subject to the requirements of CEQA. For the purposes of CEQA, the term “project” refers to the whole of an action that has the potential to result in a direct physical change or a reasonably foreseeable indirect physical change in the environment (CEQA Guidelines Section 15378).

As the public agency with primary land use authority over the proposed Project, the City is the “lead agency” overseeing and administering the CEQA environmental review process. The City has prepared this Environmental Impact Report (EIR) pursuant to CEQA and the State CEQA Guidelines to provide the public and responsible and trustee agencies with information about the potential environmental effects of the proposed Project.

1.4 PURPOSE OF THE EIR

As set forth in various provisions of the CEQA Statute (e.g., Section 21080), before deciding whether to approve a project, a public agency must consider the potentially significant environmental impacts of the project. Pursuant to CEQA Guidelines Section 15064, if any aspect of the proposed project, either individually or cumulatively, may cause a significant effect on the environment which cannot be mitigated to less-than-significant levels, regardless of whether the overall effect of the project is adverse or beneficial, an EIR must be prepared. The EIR must describe the project’s potentially significant environmental effects, identify alternatives to the project, and identify measures to mitigate or avoid adverse impacts that would result from implementation of the project.

This EIR is a factual document, prepared in conformance with CEQA, and written to make the public and decision-makers aware of any potential environmental consequences of the proposed

⁷ The balance of mass volume is evaporated as moisture or returned to the feedstock supplier for recycling or landfilling.

Project. This EIR includes a description of the proposed Project, its environmental context, and an evaluation of the potential environmental impacts of the proposed Project compared to an existing condition or baseline. State CEQA Guidelines section 15125, subdivision (a), states:

An EIR must include a description of the physical environmental conditions in the vicinity of the project. This environmental setting will normally constitute the baseline physical conditions by which a lead agency determines whether an impact is significant. The description of the environmental setting shall be no longer than is necessary to provide an understanding of the significant effects of the proposed project and its alternatives. The purpose of this requirement is to give the public and decision makers the most accurate and understandable picture practically possible of the project's likely near-term and long-term impacts.

The California Supreme Court confirmed that, while conditions at the time of the notice of preparation “normally” constitute the baseline for the environmental analysis under CEQA, the lead agency has flexibility in defining the appropriate baseline (*Communities for a Better Environment v. South Coast Air Quality Mgmt. Dist.* (2010) 48 Cal.4th 310, 328). Therefore, State CEQA Guidelines allow a lead agency some leeway in its determination of the baseline by stating that the environmental setting at the time the notice of preparation is published will “generally” constitute the baseline physical conditions against which the impacts of a project are evaluated; however, historic or projected future conditions may also form the baseline for analysis if those approaches are supported by substantial evidence.

For any adverse environmental impact of the proposed Project that is considered to be potentially significant when compared to the baseline condition, this EIR identifies mitigation measures to avoid or reduce the potentially significant adverse impact to less-than-significant levels. This EIR also identifies and evaluates alternative scenarios to the proposed Project, including a “no project” scenario wherein the project site would continue to serve as industrial equipment storage and not undergo redevelopment. Cumulative impacts of the proposed Project plus other projects planned to occur in the project vicinity are also discussed.

Before any action can be taken to approve the proposed Project, the City must make the necessary findings and certify that the City has reviewed and considered the information in the EIR, that the EIR has been completed in conformity with the requirements of CEQA, and that the EIR reflects the City’s independent judgment and analysis. Certification of an EIR by the decision-making body does not constitute approval or denial of the proposed Project.

Should the proposed Project be approved, the City and other public agencies with permitting authority over the proposed Project must impose mitigation measures as conditions or require project modifications to reduce or avoid the significant adverse impacts of the proposed Project on the environment. The Applicant may also choose to modify the proposed Project to mitigate or avoid potentially significant adverse environmental impacts. The City and permitting agencies may only approve the proposed Project with significant adverse environmental impacts that are not mitigated if the agency finds that specific economic, legal, social, technological or other considerations, including provision of employment opportunities for highly trained workers, make imposition of mitigation measures or project alternatives infeasible (CEQA Guidelines Section 15091).

1.5 USE OF THIS EIR BY RESPONSIBLE AGENCIES

In addition to land use permit approval by the City, the proposed Project requires permits from other federal, state and local agencies including the Bay Area Air Quality Management District and the San Francisco Bay Regional Water Quality Control Board. The proposed Project also requires two solid waste facility permits to be issued by the City solid waste Local Enforcement Agency (LEA), one permit to operate as a Transfer/Processing facility and one permit to operate as an Engineered Municipal Solid Waste (EMSW) Conversion facility. California state and regional agencies are considered to be responsible agencies under CEQA and must comply with CEQA by considering the EIR prepared by the lead agency. However, responsible agencies must each reach their own conclusions on whether or how to approve their respective permits for the proposed Project (CEQA Guidelines Section 15096).

The City as Lead Agency must certify the EIR prior to taking action on the requested land use permit. Following these actions by the Lead Agency, the proposed Project requires permits from other federal, state and local agencies, including the agencies listed below.

Local

- City of Pittsburg Community and Economic Development Department
 - Certification of Environmental Impact Report
 - Use Permit
 - Design Review
 - Development Agreement
 - Mitigation Monitoring Program
 - Grading and Building Permits
 - Fire Safety Plans
- City of Pittsburg Environmental Services Department
 - Solid Waste Facility Permits
- Bay Air Quality Management District (BAAQMD)
 - Authority to Construct / Permit to Operate
 - Title V Permit Amendment

- Pacific, Gas and Electric Company (PG&E)

State

- Regional Water Quality Control Board (RWQCB)
 - NPDES Permits for Stormwater
- California Department of Resources Recycling and Recovery (CalRecycle)
- California Public Utilities Commission (CPUC)

1.6 OPPORTUNITIES FOR PUBLIC COMMENT

1.6.1 Notice of Preparation

The City initially released a Notice of Preparation (NOP) for the proposed Project on April 7, 2023 (see Appendix A). The NOP provided notification to interested parties of the City's intent to prepare an EIR to evaluate the potential environmental impacts of the proposed Project. When the project site was updated, the City released a second NOP on September 14, 2023 (see Appendix A). In accordance with State CEQA Guidelines Section 15082, the NOP contained a brief description of the proposed Project and its location, and a list of environmental resource areas that would potentially be affected by the proposed Project and that would be discussed in the EIR. The NOP was posted on the City website, and copies of the NOP were filed with the State Clearinghouse and the City Clerk; were sent via certified mail or emailed to public agencies with permitting authority over the proposed Project or who hold jurisdiction over natural resources that might be affected by the proposed Project; and were mailed to interested parties requesting such notice.

The NOP invited interested individuals, organizations, and agencies to provide comments on the scope of the environmental issues to be evaluated in the EIR. Written comments could be submitted to City staff until 5:00 p.m. on October 16, 2023. The City also accepted spoken comments in response to the NOP, at a public hearing at City Hall held on October 12, 2023. The date of and means to participate virtually in the scoping public hearing via Zoom on October 11, 2023, were included in the NOP. The written NOP comments and the summary of the comments received during the NOP scoping public hearing are included in this EIR as Appendix A.

1.6.2 Draft EIR

The Draft EIR for this proposed Project will be available for a public comment period consisting of no fewer than 45 calendar days. During this public comment period, public agencies, members of the public and any other interested parties may review the Draft EIR and provide written comments to the City on the analysis contained herein. During this public comment period, the City's Community and Economic Development Department - Planning Division, will hold public meetings, online and in-person, to receive live comments on the Draft EIR. Following the close of the public comment period on the Draft EIR, the City will prepare a Final EIR, which will consist of the Draft EIR, comments received on the Draft EIR, written responses to the environmental issues raised in those comments, and revisions to the Draft EIR that may be warranted in response to comments received.

No fewer than 10 days following publication of the Final EIR, the City Planning Division will hold at least one public hearing to consider whether to certify the Final EIR for the proposed Project and to consider the merits of the proposed Project and whether to approve the requested use permit. As described above, the City must certify as to the adequacy of the Final EIR before it can approve the proposed Project; certification of the EIR does not in itself signify approval or denial of the proposed Project.

1.7 ORGANIZATION OF THE EIR

In addition to this Introduction, the EIR contains the following sections.

- **Chapter 2 – Project Description** describes the proposed Project, its location and facilities, an overview of its operation, and schedule.
- **Chapter 3 – Environmental Impact Analysis** describes existing environmental conditions, potential Project-specific impacts and associated mitigation measures, and the reference materials used to prepare the analysis.
- **Chapter 4 – Cumulative Impacts** describes the potential cumulative environmental impacts of the proposed Project when combined with other projects in the vicinity of the project site and lists the projects considered in the evaluation of cumulative impacts.
- **Chapter 5 – Alternatives** describes the alternatives to the proposed Project carried forward for analysis and the alternatives that were considered but eliminated from detailed evaluation.
- **Chapter 6 – Other CEQA Considerations** addresses other required CEQA elements, including potential significant irreversible effects and an evaluation of growth-inducing impacts of the proposed Project.
- **Chapter 7 – List of Preparers** presents information on the individuals who prepared the EIR and their qualifications.

As discussed in Chapter 1, Introduction, this Environmental Impact Report (EIR) examines the potential environmental impacts associated with the H Cycle Pittsburg Renewable Hydrogen Project (Project). Chapter 2 provides a description of the proposed Project, including a project overview, project location, description of the existing site, proposed facility development, and proposed operations. This chapter includes a description of the construction phase of the proposed Project. Potential impacts resulting from construction and operation of the proposed Project are described in Chapter 3.

HC (Contra Costa), LLC (Applicant), is proposing to construct and operate an approximately 12-acre renewable hydrogen facility in Pittsburg, California that would use sorted waste materials as feedstock in a non-combustion thermal conversion process. Hydrogen will be used for direct use in fuel cell vehicles, particularly heavy-duty trucks and buses, and also has the potential to decarbonize the production of renewable fuels.

2.1 PROJECT LOCATION

The project site is in the city of Pittsburg (City) along New York Slough, southeast of the Pittsburg Marina. The proposed project site is at the corner of Arcy Lane where it turns west, approximately 0.4 mile north of the Pittsburg-Antioch Highway. Burlington Northern & Santa Fe (BNSF) railroad tracks extend west to east just south of the site. State Route 4 (SR 4) is south of the project site. The proposed project location is shown on Figure 2-1.

The surrounding project area is mostly vacant with some residual pieces of industrial equipment, a few railroad spurs, five buildings that account for less than one acre, and includes exterior and interior access roads that would be improved and maintained for the proposed Project. There is an existing industrial tenant using one building in the Study Area that could require relocation elsewhere within the Corteva industrial park. Permanent usage of the proposed renewable hydrogen facility would be approximately 12 acres of the 24-acre Study Area.

The property is zoned as General Industrial (IG) and classified as Industrial in the City's 2020 General Plan. The proposed Project is consistent with the land use and zoning designations as published in the Draft 2040 Pittsburg General Plan; the property and surrounding area are proposed to remain zoned and designated for industrial land uses (2023).

2.1.1 Surrounding Area

The project area is an open and non-treed grassland valley ringed with low wooded hills with scattered residential properties. Developed lands within 1 mile of the project site include a variety of residential, commercial, industrial and public uses.

Several transportation facilities are also in the surrounding area, including the Burlington Northern & Santa Fe (BNSF) railroad (south), Pittsburg-Antioch Highway (south), Union Pacific Railroad (south), and SR 4 (south).

UPRR and BNSF deliver and ship a variety of industrial commodities associated with fuel production and processing. The nearest residences are south of SR 4 approximately 0.9 mile southwest of the project site.



★ PROJECT SITE



PROJECT: **H CYCLE
 PITTSBURG RENEWABLE HYDROGEN PROJECT
 CONTRA COSTA COUNTY, CALIFORNIA**

TITLE: **REGIONAL LOCATION MAP**

DRAWN BY: S. RAY	PROJ. NO.: 506412.0000.0000
CHECKED BY: R. SPRING	
APPROVED BY: P. DEMICHELE	
DATE: JANUARY 2024	FIGURE 2-1

BASE MAP: USGS COLOR TOPO MAP
 DATA SOURCES: TRC

↑
 1:78,000 1" = 6,500'

TRC 1850 GATEWAY BLVD, SUITE 1075
 CONCORD, CA 94520
 PHONE: 925.688.1200

FILE: RENEWABLE HYDROGEN PROJECT EIR

2.1.2 Project Site and Existing Facilities

The project site and industrial facilities are all within a contiguous 993-acre area (Figure 2-2). Surrounding properties generally include industrial entities to the north and east, commercial use to the south, and mixed commercial and industrial use to the west. Adjoining properties to the northeast and southwest of the project site are currently occupied by infrastructure associated with the former Dow Chemical manufacturing facility and tenant spaces occupied by Corteva, Generon, and Schlumberger.

The project area is currently graded and covered with an array of graveled ground, disturbed dirt, and concrete slabs that are primarily used for parking and storage. The project site is mostly vacant with some residual pieces of industrial equipment, a few railroad spurs, and five buildings that account for less than one acre. Four buildings are used for material storage, a laboratory, and an empty shed which is currently unused. Unpaved and paved parking and equipment storage and vegetation is throughout the project site. An inactive water tower is in the northeast corner of the project site. Railroad spurs along the southern and southwestern sides of the project site are used for storage by existing tenants. A City water line supplies potable water to the project site. Stormwater collection and infiltration structures are visible throughout the project site.

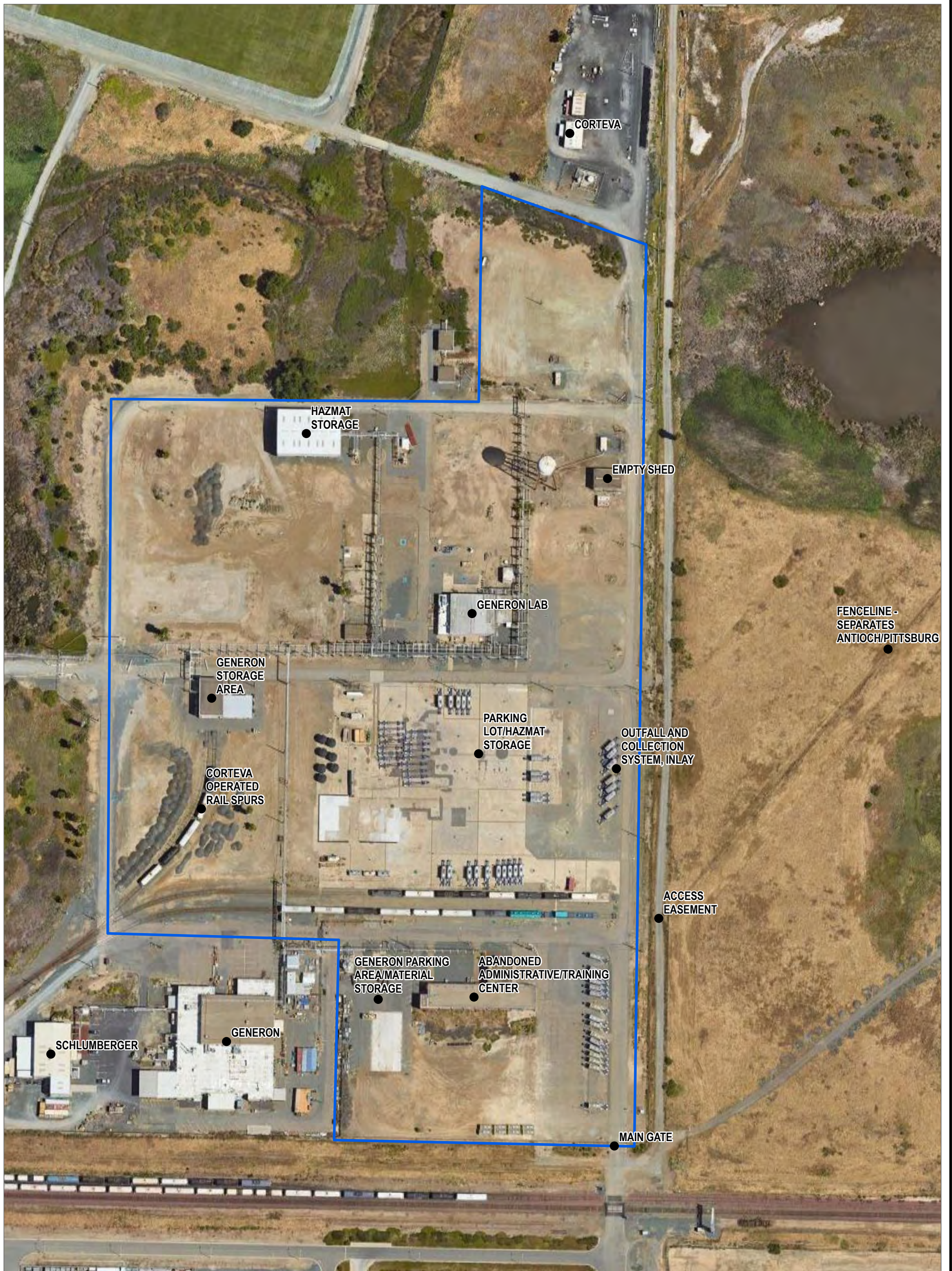
2.2 PROJECT COMPONENTS

2.2.1 Facilities and Infrastructure

The project site shown on Figure 2-3 would encompass approximately 20 acres, including laydown and staging areas. The existing buildings, ancillary structures and equipment would be demolished and/or removed. The proposed Project would comprise an approximately 8,000-square foot office and control building to receive and prepare feedstock; two outdoor storage silos (approximately 4,000 square feet each); 125,000-square foot outdoor hydrogen purification unit, 12,000-square foot OMNI Conversion Technologies waste processing plant, 20,000-square foot wastewater treatment facility; 13,600-square foot substation yard with electrical switch gear; 3,500 feet of security fencing with restricted gate access; and 110,000 square feet of primary and emergency access roads. The maximum building height is expected to be less than 100 feet.

The proposed Project would have the following utility interconnections:

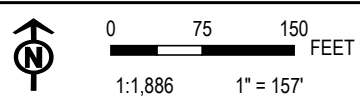
- Interconnection to electrical grid and natural gas pipeline system via Pacific Gas and Electric Company (PG&E).
- Interconnection for water supply via Contra Costa Canal or Delta Diablo.
- Interconnection for wastewater sewer via Delta Diablo, after appropriate treatment.
- Interconnection to lessor, Corteva Agriscience, for various site services as agreed upon, including a small-diameter hydrogen pipeline located within Corteva's industrial park and/or connection to an existing oxygen pipeline.
- Supplemental supply trucks would provide backup oxygen delivery, byproduct disposal, wastewater treatment chemicals, and other consumables on an as-needed basis.



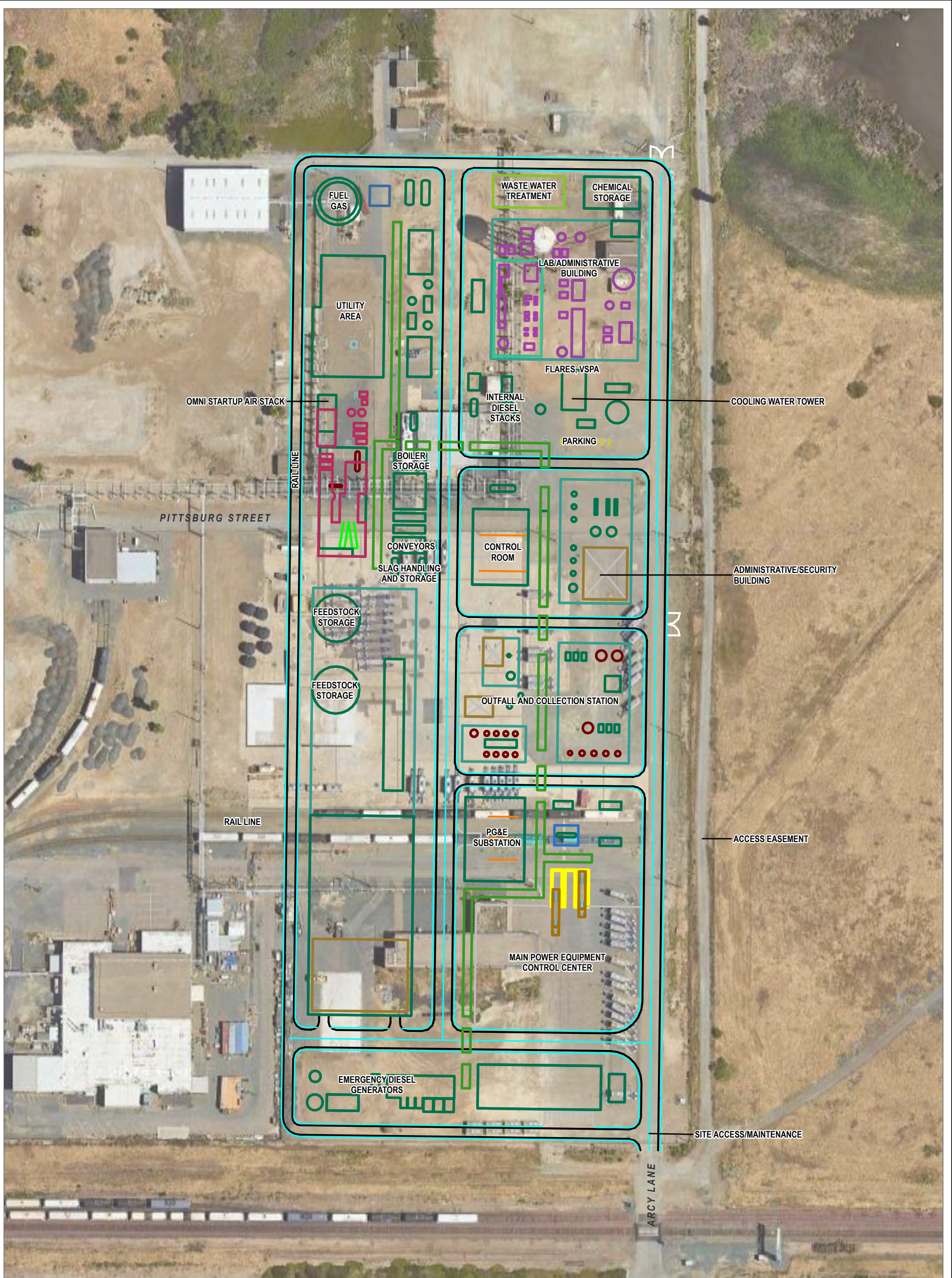
- SITE FEATURE
- ▭ PROJECT SITE BOUNDARY

PROJECT:		H CYCLE PITTSBURG RENEWABLE HYDROGEN PROJECT CONTRA COSTA COUNTY, CALIFORNIA	
TITLE:		EXISTING PROJECT SITE MAP	
DRAWN BY:	S. RAY	PROJ. NO.:	506412.0000.0000
CHECKED BY:	R. SPRING	FIGURE 2-2	
APPROVED BY:	P. DEMICHELE		
DATE:	JANUARY 2024		
FILE:		RENEWABLE HYDROGEN PROJECT EIR	

BASE MAP: USGS COLOR ORTHO IMAGERY
 DATA SOURCES: TRC

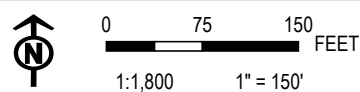


TRC 1850 GATEWAY BLVD, SUITE 1075
 CONCORD, CA 94520
 PHONE: 925.688.1200



PROJECT:		H CYCLE PITTSBURG RENEWABLE HYDROGEN PROJECT CONTRA COSTA COUNTY, CALIFORNIA	
TITLE:		PROPOSED PROJECT SITE MAP	
DRAWN BY:	S. RAY	PROJ. NO.:	506412.0000.0000
CHECKED BY:	R. SPRING	FIGURE 2-3	
APPROVED BY:	P. DEMICHELE		
DATE:	JANUARY 2024		

BASE MAP: USGS COLOR ORTHO IMAGERY
 DATA SOURCES: TRC



1850 GATEWAY BLVD, SUITE 1075
 CONCORD, CA 94520
 PHONE: 925.688.1200

FILE: RENEWABLE HYDROGEN PROJECT EIR

Project components are shown in Table 2-1, below.

Table 2-1: Hydrogen Facility Project Components

Facility Component	Dimensions
Total Lot Area	.595,000 square feet
Total Square Footage of Buildings	63,500 square feet
Lot Coverage for All Structures	11 percent
Floor Area Ratio	35 percent
Total Square Footage of Roads	110,000 square feet
Ratio of Landscape Coverage to Impervious Surfaces	47 percent
Parking Spaces	12 proposed

2.2.2 Site Access

A primary access road would be improved and extended at Arcy Lane to the south of the project site. A portion of the existing privately-owned road is maintained by Delta Diablo. The existing Corteva gate-controlled access point at the northern end of Arcy Lane would be the main entrance into the project site. Two existing roads would provide emergency access, one located on the western side of the project site, along Pittsburg Waterfront Road, and one on the northern side of the project site, along East 3rd Street. The Applicant would enter an agreement for access rights to existing roads and facilities that are currently controlled by Corteva and Delta Diablo.

2.3 DESCRIPTION OF PROPOSED PROJECT

2.3.1 Renewable Fuels Production Overview

Non-combustion thermal conversion of waste into renewable hydrogen is a three-step process. The proposed conversion facility includes the following four processing units described below. A process overview diagram is shown on Figure 2-4.

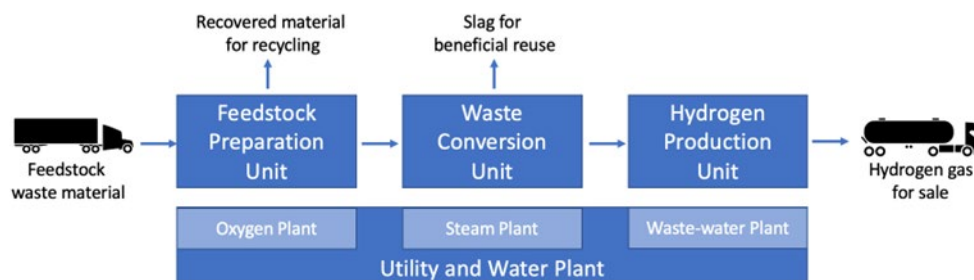


Figure 2-4: Overview of Facility Major Processing Units

2.3.1.1 Feedstock Preparation Unit

A diagram of feedstock preparation is shown on Figure 2-5.

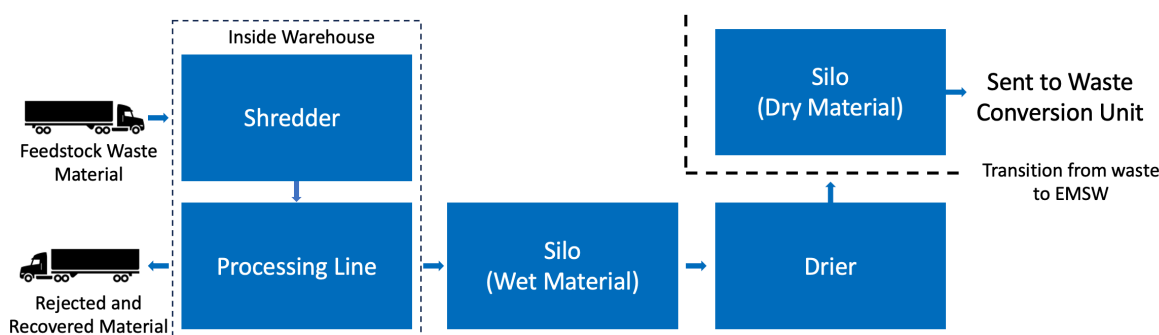


Figure 2-5: Overview of Feedstock Preparation Unit

A warehouse-style control building houses the feedstock preparation unit. The indoor space encloses waste preparation activities to prevent waste dispersion by wind and to provide a barrier from vectors, birds, and other animal species in the area and for noise and odor abatement.

The feedstock will be composed of source-sorted mixed organic waste residuals, delivered to the site. In accordance with CalRecycle guidelines for landfill disposal, the waste supplier(s) will remove electronic waste (“e-waste”) and hazardous waste at their facilities prior to delivery at the project site. No hazardous waste will be accepted. Waste materials will be inspected upon arrival. Any materials that may damage the shredder and processing equipment or that are not suitable for conversion, including large pieces of concrete, will also be removed. The bunker storage system uses loaders and other mobile equipment to manage the inbound material and feed material for further processing.

The feedstock is then shredded to reduce the material to a uniform size (4-inch minus). The shredded feedstock then undergoes a series of processing steps, where inert heavies (glass, rocks), inert fines (sand), ferrous and non-ferrous metals and plastics are partially recovered, leaving an organic-rich feedstock. The processing steps may include a combination of the following: a fines screen (e.g., trommel), a magnetic separator for ferrous removal, an eddy current separator for non-ferrous removal, and an air classifier for heavy materials removal. The recovered material will be recycled (when possible) or disposed of at a landfill. After processing, the sorted feedstock is temporarily stored in an enclosed silo for “wet” material, providing up to two days (48 hours) of processed feedstock storage.

The sorted feedstock is then dried using hot air to reduce its moisture content to approximately 10 percent by weight before being conveyed to an enclosed silo for “dry” material storage, providing up to seven days of feedstock storage. After drying, the prepared feedstock would meet all of the requirements to be classified as Engineered Municipal Solid Waste (EMSW). Automated extraction equipment feeds the dried EMSW feedstock material, now ready for conversion to hydrogen, at a precise rate to the feeding chamber of the Waste Conversion Unit. The feeding chamber is composed of a hopper and an airlock. The feeder serves dual purposes, firstly to precisely dose feedstock into the Waste Conversion Unit and secondly, to seal ambient air from entering the chamber. The entire system is operated under a slight vacuum to assure that the gases in the process

remain sealed within the various processing vessels. Both the wet storage silo and the dry storage silo are equipped with dust and fire suppression systems.

During normal, long-term shutdown operations, silos and bunkers will be emptied to prevent inadvertent putrefaction or unwanted decomposition from occurring. Should significant facility downtime occur, the material in the wet silo will be moved off site for disposal at a permitted facility, so as not to exceed 48 hours of total on-site storage time. Allowable storage time and disposal plans for dry silo material propose up to seven days of feedstock storage time and will be further defined in the solid waste facility permitting process with the City Local Enforcement Agency (LEA). The feedstock receiving and preparation building will be equipped with dust collectors and odor management to prevent tramp dust or odor emissions from the building.

The feedstock preparation unit will accept up to approximately 160,000 wet tons of waste over the course of a year. Following the feedstock preparation described above, the conversion unit will utilize up to approximately 85,000 tons per year of prepared EMSW feedstock. The rest of the weight of the accepted waste consists of moisture lost during drying, as well as the inert materials, metals, and plastics (up to 50,000 tons per year) described earlier that will be sent off-site via truck to the appropriate facility for recycling or disposal.

2.3.1.2 Waste Conversion Unit

From the feeder, the EMSW feedstock enters the Omni Conversion Technologies (Omni CT) unit. The OMNI system converts the feedstock to synthesis gas (syngas), which is a mixture comprised mostly of carbon monoxide and hydrogen gas. A regulated input of steam, a limited amount of oxygen, and some natural gas are utilized in the conversion process. The syngas will then pass through a plasma-based high temperature polisher that will convert all condensable hydrocarbons (known as tars) into additional syngas, while minimizing undesirable tars that can impact downstream processing. The syngas is sent to cyclones to remove particulates, which are recycled back to the conversion step. A waste conversion diagram is presented on Figure 2-6 below.

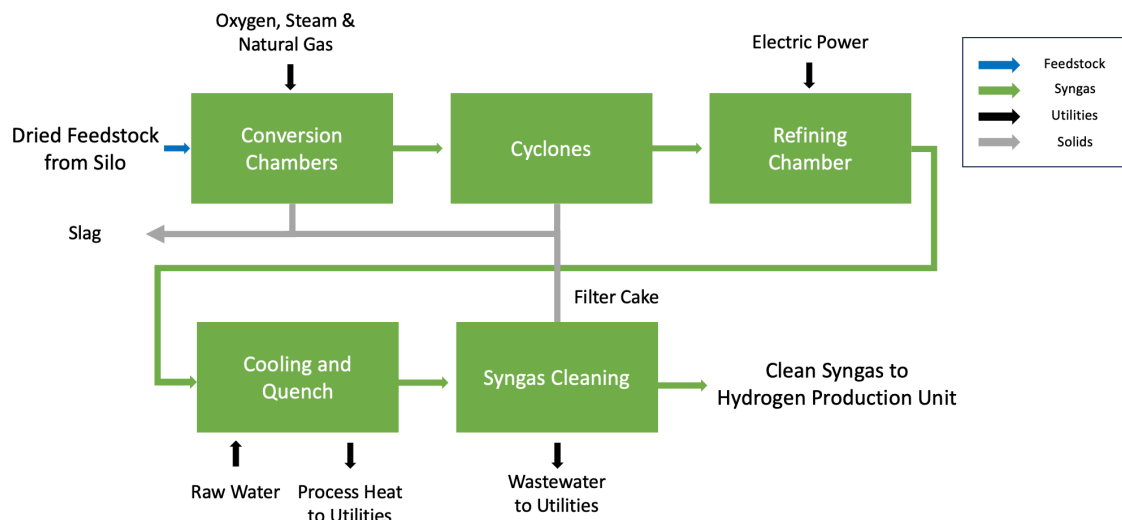


Figure 2-6: Overview of Waste Conversion Unit

During the conversion step, metallic and other inert components in the waste are removed as molten slag, a non-hazardous material. The slag is granulated, stored and transported off site for use as a recycled product, such as construction aggregate, or for disposal. The plant generates up to approximately 20,000 tons per year of slag.

The syngas then undergoes a series of cleaning steps in preparation for hydrogen production. The syngas is first cooled using a heat exchanger, which provides recovery of heat for use elsewhere in the process. It is then rapidly quenched and scrubbed to remove remnant solids using a venturi scrubber. Syngas is then contacted with a caustic solution to remove chlorine and nitrogen species (e.g. hydrogen chloride and ammonia) followed by chilling to remove any remaining tars. Finally, syngas passes through a wet electrostatic precipitator (WESP) to ensure complete capture of remnant contaminants for proper treatment and disposal.

2.3.1.3 Hydrogen Production Unit

The clean syngas is then compressed before entering a two-stage sour-gas-shift reactor, where the syngas reacts with steam to form a hydrogen-rich gas. The hydrogen-rich gas is then treated to remove all sulfur species followed by a pressure-swing-adsorber to generate a high-purity hydrogen gas (approximately 99.97+ percent) and off-gas⁸ which is used in a boiler to generate on-site steam for heat used elsewhere in the process. The hydrogen gas would be compressed and loaded onto trucks for delivery. A diagram of the Hydrogen Processing Unit is shown on Figure 2-7.

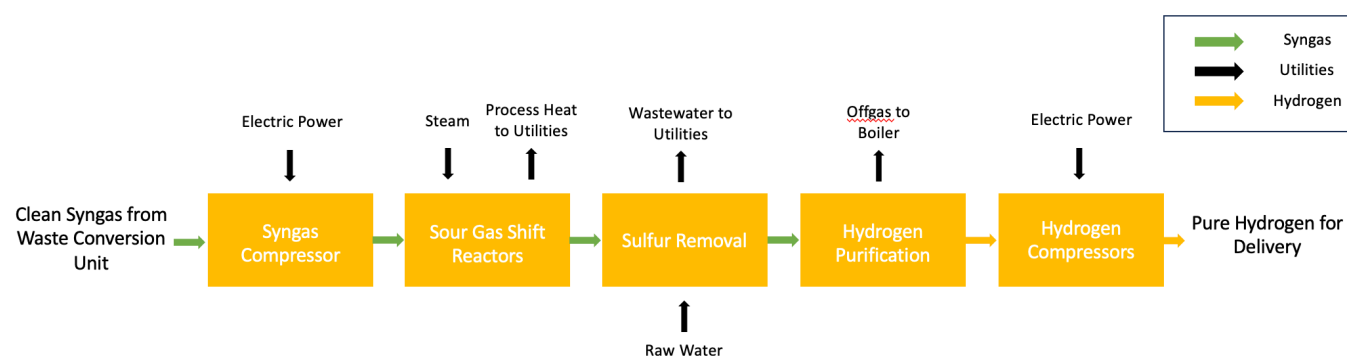


Figure 2-7: Overview of Hydrogen Processing Unit

2.3.1.4 Utilities and Water Units

A Utility & Water plant comprised of oxygen production, steam generation, and waste-water treatment will support various stages of the process. Condensate wastewater from the plant would meet NPDES sewage disposal specifications; approximately 130 gallons per minute (gpm) of wastewater is generated on site. The plant utilizes up to 350 gpm of raw water, a significant portion of which may be lower quality water such as tertiary, non-potable water or recycled service water. Excess heat recovered from the process is supplanted by the off-gas boiler and will be used to

⁸ Off-gases often contain components such as CO₂, CO, hydrocarbons, H₂S, and various organic sulfur compounds. Large quantities of hydrogen-rich off gas are also produced as a byproduct of the high-temperature cracking reaction.

generate steam and for the drying of sorted waste feedstock. A diagram of proposed utilities, water and auxiliary units is shown on Figure 2-8.

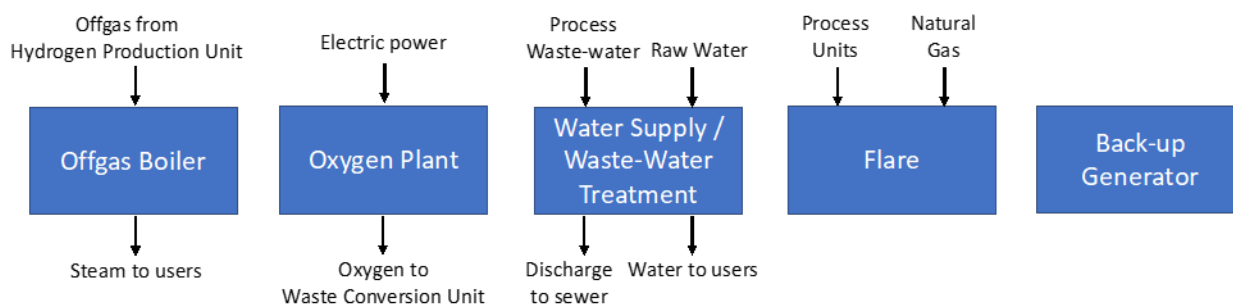


Figure 2-8: Overview of Utilities, Water, and Auxiliary Units

2.3.2 Project Construction

Project construction would commence with site preparation activities, including demolition and removal of existing structures and site clearing. Demolition material would be recycled or disposed of at approved facilities. Once the project site has been cleared, concrete foundations would be installed to support the buildings and equipment. Building materials and equipment modules would be delivered by truck, rail or barge, and installed using cranes. The various plant modules and systems would be connected, tested and commissioned. Equipment to be used in site preparation and demolition for the proposed Project would include lifts, air compressors, industrial saws, cranes, excavators, forklifts, tractors, loaders and welders, and light-duty vehicles (passenger cars and trucks) and heavy-duty vehicles (cement, dump and water trucks).

Approximately 13 acres of grading would be necessary for the proposed Project. During earthwork, soils and other surficial deposits that do not possess sufficient strength and stability to support structures would be removed from the work area. All clean spoils excavated for the proposed Project would be used on site to balance cut and fill calculations, as feasible. All spoils that are not useable and/or contaminated would be sent to a properly licensed landfill facility. It is estimated that 65,000 cubic yards of soil would be graded or relocated during construction.

Trenching would generally be limited to 36 inches below ground surface to install utilities to new work units and foundations for new units and facilities. Depending on the results of the geotechnical analysis, footings for some specific equipment may require deeper foundations.

For interconnection to electricity, natural gas, water supply and wastewater sewer services, utility improvements may be completed by PG&E, Pittsburg Power Company (PPC), Marin Clean Energy (MCE), Delta Diablo, Contra Costa Water District, Corteva or other utility providers.

Construction is anticipated to last 18 to 24 months with 150 to 225 temporary on-site skilled union workers. Construction laydown and staging are anticipated to be included within the Study Area.

2.3.3 Project Operations

The proposed Project would involve operation of a facility to convert sorted municipal solid waste (MSW) materials that are organic-rich from waste suppliers into low-carbon, renewable hydrogen. The renewable hydrogen produced by the facility is expected to be used for direct use in hydrogen-fuel cell vehicles, particularly heavy-duty trucks and buses, and also has the potential to decarbonize the production of renewable fuels.

The Applicant anticipates that operations under the proposed Project would begin in 2026, with a ramp-up to full production capacity occurring throughout 2026. The hydrogen facility would operate twenty-four hours per day, seven days per week and would require approximately 30 full-time employees.

2.3.3.1 Major Equipment and Facilities Components

Major equipment and primary components required for project operations are listed below.

Facility Component/Unit Type	Required Equipment
Office/Control Building	<ul style="list-style-type: none"> Motor Control Center (MCC)
Feedstock Preparation Unit	<ul style="list-style-type: none"> MSW receiving area with enclosed tipping floor Shredder Silo storage for wet feedstock material Silo storage for dry feedstock material Dryer
Waste Conversion Unit	<ul style="list-style-type: none"> OMNI package Gas quality conditioning system Cooling and quenching system Storage for slag
Hydrogen Production Unit	<ul style="list-style-type: none"> Syngas compressor Sour-gas-shift converters Cooling tower Sulfur removal and handling system Hydrogen purification Hydrogen compressor and interstage cooler Pressure swing adsorption (PSA) unit and possibly a desiccant dryer Hydrogen tube trailer loading area and truck dispensing station
Utility and Water Units	<ul style="list-style-type: none"> Offgas boiler Oxygen supply via on-site Vacuum Pressure Swing Absorber (VPSA) or pipeline interconnection Low- and medium-pressure steam generators Hot- and cold-condensate separators Water supply Boiler Feed Water (BFW) preheaters and treatment Wastewater treatment, including ammonium sulfate production and truck loading area Ground flare Back-up generator Blowdown cooler and closed drain drums
Other equipment	<ul style="list-style-type: none"> Pumps, compressors, mixers, conveyors

In addition to hydrogen production equipment, the project would include the following ancillary facilities and components:

- Trenches for utilities and services interconnection, with possible small-diameter hydrogen pipeline to Corteva
- Signage and lighting
- Security fencing, access control and egress
- Alternative emergency access
- Parking areas
- Switchgear yard for PG&E operation
- Stormwater collection system
- Firewater system with tank and pump (barrier walls may be used)

2.3.3.2 Truck Trips

Waste feedstock delivery to the proposed facility and return of rejected feedstock would require an average of approximately 23 truck roundtrips per day. Peak volumes may require up to approximately 44 truck roundtrips per day, depending on delivered volumes and whether delivery trucks can be used to backhaul rejected feedstock. The facility is planned to operate twenty-four hours a day, seven days a week. However, most trucks would enter the facility between 6:00 am to 10:00 pm Monday to Saturday.

The proposed facility would produce renewable hydrogen and non-hazardous vitrified slag byproduct. Hydrogen produced by the proposed facility would be transported in tube trailers and would require on average 20, and up to 40 truck roundtrips per day. Non-hazardous, vitrified slag byproduct could potentially be repurposed for beneficial use as a roadbed or concrete aggregate, or alternatively, the slag byproduct could be disposed in a landfill. Supplemental supply and disposal truck traffic, including the transport of slag byproduct, would require up to approximately 10 truck roundtrips per day.

2.3.3.3 Utilities

During normal operations, the hydrogen facility would consume an average of 11 to 12 megawatts (MW) of electricity (with a peak of up to 15 MW), up to 350 gpm of water and a minimal amount of natural gas. During start-up or shutdown, the facility may temporarily consume increased amounts. PG&E will likely provide electricity for plant needs, on-site lighting, and other small power needs. The project will require continued use of the PG&E electrical service that is currently on site in addition to some interconnection and service upgrades within the proposed project site.

The facility would connect to electricity, natural gas, water and sewer service via new interconnections. Existing water pipelines to the project site would be evaluated for condition and serviceability. Most of the facility's water needs may be supplied from recycled or reclaimed water sources, which are currently being evaluated.

The Applicant has completed preliminary engineering design for the proposed Project. As such, the information in this document related to utilities is subject to change based on additional and/or final engineering design, further studies, and ongoing coordination with utility and service providers.

2.3.3.4 PG&E Interconnection and Upgrades

The proposed Project will access PG&E electrical service via interconnection to an existing transmission line near the project site. Several existing transmission line routes with access and easement corridors leading into the Study Area are being considered. PG&E and the Applicant are also considering interconnection of the proposed Project to PG&E's 115 kV transmission system via a new switching station which could enable deliverability of up to approximately 15 megavolt-ampere (MVA).

The California Public Utilities Commission (CPUC) is the lead agency in California with jurisdiction over the siting and design of electrical facilities constructed by public utilities⁹. The proposed Project will comply with CPUC's General Order No. 131-D Section III-B (GO 131-D), which contains permitting requirements for construction of the proposed PG&E-operated electrical facilities. This EIR was prepared as part of an application to obtain a Permit to Construct (PTC) for the proposed Project. Additional information regarding the proposed Project's purpose and need will be provided in the Applicant's PTC application to the CPUC in accordance with GO 131-D.

Construction of the proposed Project would likely include a 13,600-square foot substation yard with electrical switch gear for PG&E operation. The substation and switch gear yard would be located within the proposed project site, on land owned by Corteva and maintained by the Applicant. Construction and operation of the required interconnection facilities would require an easement granted to PG&E by Corteva, as the change of facility ownership demarcation would occur on Corteva property. PG&E could utilize the proposed Project's temporary work areas and staging yard for short-term laydown of construction materials and equipment or transmission line work near the project site.

The substation would be constructed by PG&E and/or the Applicant. The design for the substation would potentially include a foundation, equipment pads, switch racks, transformers, capacitor banks, and equipment room. The proposed Project will potentially require new underground or aboveground transmission lines and poles to be installed between the project site and the nearest suitable PG&E electrical interconnection point. The City Public Works Department would assess undergrounding for feasibility; if undergrounding is infeasible, a new overhead line would tap into the existing transmission system.

As required interconnections are made to power the proposed Project, PG&E could potentially:

- Add reconductor, replace, and/or upgrade towers and poles from the nearest available potential high voltage transmission lines by the proposed project area;

⁹ California Public Utilities Commission (CPUC). (1995). General Order 131-D. Section XIV.B. <https://dot.ca.gov/-/media/dotmedia/programs/environmental-analysis/documents/ser/puc131-d-a11y.pdf>

- Install equipment at existing PG&E substations to upgrade and allow for more capacity, remote monitoring, and/or operation of the proposed substation; and
- Install a new -inch natural gas tie-in line to provide up to approximately 60 MMBtu/hr.

PG&E work activities are considered tentative in the overall construction schedule since the Applicant is not wholly responsible for the work that would be completed. The PG&E electric transmission facilities design and construction timeline would be dependent on the scope defined in the Preliminary Engineering Study (PES) and development process. PG&E is working with the Applicant and other involved parties to determine the most suitable interconnection route to provide the necessary power. As previously mentioned, the information in this document related to utilities is subject to change, pending final engineering design and ongoing coordination.

3 ENVIRONMENTAL IMPACT ANALYSIS, METHODOLOGY, AND BASELINE

Chapter 3 of this Draft Environmental Impact Report (Draft EIR or DEIR) examines the potential environmental impacts of the proposed H Cycle Pittsburg Renewable Hydrogen Project (Project). This chapter includes an analysis of the environmental resource topics listed below:

- 3.1 Aesthetics
- 3.2 Agriculture and Forestry
- 3.3 Air Quality and Greenhouse Gas Emissions
- 3.4 Biological Resources
- 3.5 Cultural and Tribal Cultural Resources
- 3.6 Energy
- 3.7 Geology and Soils
- 3.8 Mineral Resources
- 3.9 Hazards and Hazardous Materials
- 3.10 Hydrology and Water Quality
- 3.11 Land Use and Planning
- 3.12 Noise and Vibration
- 3.13 Population and Housing
- 3.14 Public Services
- 3.15 Recreation
- 3.16 Transportation and Traffic
- 3.17 Utilities and Service Systems
- 3.18 Wildfire

Each environmental resource topic analyzed in this DEIR provides background information and describes the environmental setting to help the reader understand the conditions that exist currently, prior to project implementation, and the relationship between those existing conditions and potential project-related impacts. The effects of the proposed Project are defined as potential changes to the environmental setting that are attributable to project construction or operation. In addition, each section describes the approach to analysis that results in a determination of whether an impact is “potentially significant” or “less than significant.” Finally, individual sections recommend mitigation measures to ensure potentially significant impacts are reduced to less-than-significant levels.

ASSESSMENT METHODOLOGY

CEQA Requires a Baseline for Impact Analysis

The purpose of an EIR is “to provide public agencies and the public in general with detailed information about the effect which a proposed project is likely to have on the environment; to list ways in which the significant effects of such a project might be minimized; and to indicate alternatives to such a project” (Public Resources Code Section 21061). With respect to the environmental setting assumed for the impact analysis, State California Environmental Quality Act (CEQA) Guidelines Section 15125, subdivision (a) states:

An EIR must include a description of the physical environmental conditions in the vicinity of the project. This environmental setting will normally constitute the baseline physical conditions by which a lead agency determines whether an impact is significant. The description of the environmental setting shall be no longer than is necessary to provide an understanding of the significant effects of the proposed project and its alternatives. The purpose of this requirement is to give the public and decision makers the most accurate and understandable picture practically possible of the project's likely near-term and long-term impacts.

The California Supreme Court confirmed that, while conditions at the time of the notice of preparation “normally” constitute the baseline for the environmental analysis under CEQA, the lead agency has flexibility in defining the appropriate baseline (*Communities for a Better Environment v. South Coast Air Quality Mgmt. Dist.* (2010) 48 Cal.4th 310, 328). Therefore, State CEQA Guidelines allow a lead agency some leeway in determining the baseline by stating that the environmental setting at the time the notice of preparation is published will “generally” constitute the baseline physical conditions against which the impacts of a project are evaluated.

Determination of the Project Baseline

CEQA Guidelines Section 15125(a)(1) provides guidance on how the lead agency should describe baseline setting. State CEQA Guidelines Section 15125, subdivision (a)(1) states:

Generally, the lead agency should describe physical environmental conditions as they exist at the time the notice of preparation is published, or if no notice of preparation is published, at the time environmental analysis is commenced, from both a local and regional perspective. Where existing conditions change or fluctuate over time, and where necessary to provide the most accurate picture practically possible of the project's impacts, a lead agency may define existing conditions by referencing historic conditions, or conditions expected when the project becomes operational, or both, that are supported with substantial evidence. In addition, a lead agency may also use baselines consisting of both existing conditions and projected future conditions that are supported by reliable projections based on substantial evidence in the record.

As the project site is currently primarily used for storage of industrial equipment, the project baseline has been established by the technical studies conducted on the existing, inactive site as well as an expanded footprint, or “Study Area.”

Significance Criteria

Significance criteria are identified for each environmental issue area; these criteria serve as benchmarks for determining if a component action would result in a potentially significant adverse environmental impact when evaluated against the baseline. According to State CEQA Guidelines Section 15382, a significant effect on the environment means “a substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project.”

Project Impacts Analysis

Once identified, impacts are classified according to one of the following categories:

- **No Impact** – the proposed Project would not result in any impact to the resource area considered;
- **Beneficial** – the proposed Project would have a beneficial impact;
- **Less than Significant** – the proposed Project would have an adverse impact that does not meet or exceed an environmental resource topic’s significance criteria; or
- **Potentially Significant** – the proposed Project would have a significant adverse impact that meets or exceeds an environmental resource topic’s significance criteria.

If an action creates an adverse impact above the baseline condition, but such impact does not meet or exceed the pertinent significance criteria, the impact is determined to be “less than significant.” An action that provides a significant improvement to an environmental issue area in comparison to baseline conditions is recognized as a “beneficial” impact.

For each impact identified as “potentially significant,” a subsequent determination will be made, based on the analysis of the identified environmental impact and compliance with any recommended mitigation measure, of the level of impact remaining in comparison to pertinent significance criteria. If, after this analysis, a significant adverse impact can be reduced to a less-than-significant level with application of identified mitigation measures, then the impact is deemed “less than significant” after mitigation. If the impact remains significant, at or above the significance criteria even after mitigation, or if mitigation is infeasible or rejected by the Applicant, the impact is deemed to be “significant and unavoidable.”

Formulation of Mitigation Measures

When significant impacts are identified, feasible mitigation measures are formulated to eliminate or reduce the severity of impacts and focus on the protection of sensitive resources. The effectiveness of a mitigation measure is subsequently determined by evaluating the impact remaining after its application. Impacts that still meet or exceed the impact significance criteria after mitigation are considered residual impacts that remain significant. Implementation of more than one mitigation measure may be needed to reduce an impact below a level of significance. The mitigation measures recommended in this document are identified in the respective impact sections.

If any mitigation measures are ultimately incorporated into a project’s design, they are no longer considered as mitigation measures under CEQA. If they eliminate or reduce a potentially significant impact to a level below the significance criteria, they eliminate the potential for that significant impact since the “measure” is now a component of the action. Such measures incorporated into the project design have the same status as any “applicant-proposed measures.”

Cumulative Impacts Analysis

Chapter 4 presents the cumulative impact scenario, the focus of which is to identify the potential impacts of the proposed Project that might not be significant when considered alone, but that might contribute to a significant impact when viewed in conjunction with other concurrent projects.

Impacts of Alternatives

Chapter 5 describes alternatives to the proposed Project. Presentation of each environmental resource topic in Chapter 5 includes the impact analysis for each alternative scenario. A summary

of collective impacts of each alternative in comparison with the impacts of the proposed Project is included within the Executive Summary.

Federal, State and Local Regulations and Policies

Each of the environmental resource topics are considered in terms of the federal, state, regional and local laws, regulations and policies that apply to the environmental resource topic. Applicable federal, state, regional and local laws, regulations and policies are summarized in each of the sections.

3.1 AESTHETICS

This section describes the existing regional visual character, aesthetic resources of the project site, study and area, views of the project area from important public vantage points, and the changes that could occur with implementation of the proposed H Cycle Pittsburg Renewable Hydrogen Project (Project).

3.1.1 Environmental Setting and Regulatory Environment

3.1.1.1 Federal Regulations

There are no federal plans, policies or regulations that are applicable to this resource area.

3.1.1.2 State

3.1.1.2.1 California Scenic Highway Program

California's Scenic Highway Program was created in 1963 to preserve and protect scenic highway corridors from changing in a manner that would diminish the aesthetic value of lands adjacent to highways. The intent of the program is to protect and enhance California's natural scenic beauty and to protect the social and economic values provided by the state's scenic resources (§ 260 et seq.).

3.1.1.3 Local

3.1.1.3.1 City of Pittsburg General Plan 2020: A Vision for the 21st Century. January 2001.

The "Land Use Element," of the City of Pittsburg General Plan, adopted in 2001, and since amended,¹⁰ provides specific goals and policies related to the preservation of existing industrial areas and existing open space and other natural features, such as Suisun Bay, which is a designated scenic waterway. The following General Plan goals and policies are applicable to the proposed Project.

- 2-G-12 Maintain the industrial use and character of the (Northeast Subarea).
- 2-G-13 Protect sensitive marshland habitats along the New York Slough waterfront.
- 2-P-46 Support the permanent preservation of the wetlands and salt marsh habitats along New York and Dowest Sloughs, including Browns Island Regional Shoreline.
- 2-P-39 Encourage the development of "clean" industries along the New York Slough waterfront. Support the modernization of all industrial uses in the area to reduce both air and water pollutant levels.

¹⁰ City of Pittsburg. *City of Pittsburg General Plan 2020: A Vision for the 21st Century*. January 2001

3.1.1.3.2 City of Pittsburg Zoning Ordinance

The purpose of the City of Pittsburg Zoning Ordinance (Title 18 of the Pittsburg Municipal Code [PMC]) is to protect and promote the public health, safety, and general welfare, and to implement the policies of the City's General Plan. The Zoning Ordinance includes development standards to protect the aesthetic and visual character of an area, such as building height (PMC § 18.54.115, 18.54.120, and 18.80.020), outdoor lighting and glare (PMC § 18.82.030); development regulations for industrial districts (PMC § 18.54.115); findings and procedures required for the issuance of use permits, variances; and design review approvals (PMC § 18.16.040, 18.16.050, and 18.36.200). PMC § 18.36.200 requires that the City Planning Commission review the design of any building proposed in an application for a land use permit or a building permit in each land use district (other than single-family residential).



3.1.2 Existing Conditions

In Pittsburg, scenic resources consist of the hills to the south and the Suisun Bay/Sacramento River Delta to the north. Views of the southern hills are available from flatland areas and through streets designed in a north-south configuration. Suisun Bay is visible by drivers in either direction on State Route 4 (SR 4). The project site and Study Area are within a generally level area adjacent to the New York Slough, which connects to Suisun Bay. While the Pittsburg Planning Area contains numerous areas and viewsheds with relatively high scenic value, there are no officially designated scenic vista points in the Planning Area.

The project site is just south of the Dowest Slough and north of Arcy Lane. Topographical elevation is approximately 14 feet above mean sea level, and local topography slopes to the north-northeast. The surrounding area is characterized by open land with scattered roads and waterways, with extensive development and railroads. The project site is in a large industrial area adjacent to New York Slough.

Views from the project site primarily consist of abandoned buildings, overhead electric poles, a conduit station and various electric equipment, empty hazmat storage and shipping containers used for agricultural use. The Burlington Northern & Santa Fe (BNSF) railroad is visible from the southern portion of the project site running west to east. Representative viewpoints under project construction and operation are shown on Figure 3.1-1, Representative View-Points Map. Individual view-point photos are shown on Figures 3.1-2a through 3.1-2f.



-  PHOTO LOCATIONS
-  PROJECT SITE BOUNDARY



PROJECT: **H CYCLE
 PITTSBURG RENEWABLE HYDROGEN PROJECT
 CONTRA COSTA COUNTY, CALIFORNIA**

TITLE: **REPRESENTATIVE VIEWPOINTS MAP**

DRAWN BY: S. RAY PROJ. NO.: 506412.0000.0000

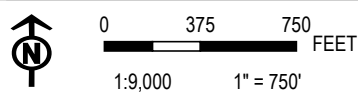
CHECKED BY: R. SPRING

APPROVED BY: P. DEMICHELE

DATE: JANUARY 2024

FIGURE 3.1-1

BASE MAP: USGS COLOR TOPO MAP
 DATA SOURCES: TRC



1850 GATEWAY BLVD, SUITE 1075
 CONCORD, CA 94520
 PHONE: 925.688.1200

FILE: RENEWABLE HYDROGEN PROJECT EIR



Figure 3.1-2a: Viewpoint 1 Pittsburg-Antioch Highway, Looking Northeast, Existing View

Source: HC (Contra Costa), LLC, November 8, 2023



Figure 3.1-2b: Viewpoint 1 Pittsburg-Antioch Highway, Looking Northeast, Proposed View

Source: HC (Contra Costa), LLC, November 8, 2023



Figure 3.1-2c: Viewpoint 2 Pittsburg-Antioch Highway and Arcy Lane, Looking North, Existing View

Source: HC (Contra Costa), LLC, November 8, 2023



Figure 3.1-2d: Viewpoint 2 Pittsburg-Antioch Highway and Arcy Lane, Looking North, Proposed View

Source HC (Contra Costa), LLC, November 8, 2023



Figure 3.1-2e: Viewpoint 3 West 10th Street and East Verne Roberts Cir, Looking Northwest, Existing View

Source: HC (Contra Costa), LLC, November 8, 2023



Figure 3.1-2f: Viewpoint 3 West 10th Street and East Verne Roberts Cir, Looking Northwest, Proposed View

Source: HC (Contra Costa), LLC, November 8, 2023

3.1.3 Impact Analysis

3.1.3.1 Methodology and Significance Criteria

Aesthetic resources are generally defined as the natural and built features of a landscape that can be viewed from public vantage points. The combination of landform, water, and vegetation patterns represent the natural landscape features that define an area's visual character, while built features such as buildings, roads, and other structures reflect human or cultural modifications to the landscape. These natural and built landscape features contribute to a viewer's experience of the environment. Impact analysis for the proposed Project is based on evaluation of the changes to the existing aesthetic resources that would result from project construction and operation and maintenance activities. In making a determination of the extent and implications of the visual changes, consideration was given to the following factors:

- Specific changes in the affected visual environment's composition and character, and visual quality.
- Context of physical environment and surrounding land uses and built environment.
- If the project Study Area includes places or features that have been designated in plans and policies intended to protect an environmental resource. No state-designated scenic highways are within the project vicinity.

For the purposes of this analysis, the proposed Project would result in significant impacts on aesthetic resources if it would:

- a. Have a substantial adverse effect on a scenic vista.
- b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings and historic buildings within a state-designated scenic highway.
- c. In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the project site and its surroundings, where public views are those that are experienced from publicly accessible vantage points. If the project is in an urbanized area, conflict with applicable zoning and other regulations governing scenic quality.
- d. Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area.

3.1.4 Impacts and Mitigation Measures

a. Would the proposed Project have a substantial effect on a scenic vista? (AES-1)

No. While the Pittsburg Planning Area contains numerous areas and viewsheds with relatively high scenic value, there are no officially designated scenic vista points in the Planning Area. The Bay Conservation and Development Commission (BCDC) considers the entire bay, including New York

Slough, to be a scenic resource. In addition, views from Brown's Island Regional Shoreline, a portion of the East Bay Regional Park system (0.7 mile from the project site), Sherman Island Waterfowl Management Area (1.5 miles from the project site), and the Dow Wetlands Preserve (0.6 mile from the project site) may also be considered to have scenic vistas. In views from the New York Slough and areas further north, the Dow property and project site appear as highly industrialized areas.

The City of Pittsburg 2020 General Plan states the most Identifying features lending the City a sense of quality and character are the rolling, grassy hills to the south of the City and Suisun Bay/Sacramento River Delta to the north. Implementation of the proposed Project would not obstruct or change the existing views of the Suisun Bay/Delta from the area surrounding the project site. The proposed Project would not result in changes to existing views of southern hills, New York Slough or Suisun Bay. Thus, the proposed Project would result in a less-than-significant impact related to designated scenic vistas.

Significance Level: Less than significant. No mitigation is required.

b. Would the proposed Project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? (AES-2)

No. The closest officially designated state scenic highway is Interstate 680 (I-680), which is approximately 14 miles southwest of the project site. SR-4 is not designated as a state scenic highway. Given this distance, the project site is not visible from scenic roadways. Implementation of the proposed Project would occur within property currently used for general industrial uses and would not damage any scenic resources. Therefore, the proposed Project would not affect scenic resources within view of a state or local scenic highway, and there would be no impact.

Significance Level: No Impact. No mitigation is required.

c. Would the proposed Project substantially degrade the existing visual character or quality of the site and its surroundings? If in an urbanized area, would the Project conflict with applicable zoning and other regulations governing scenic quality? (AES-3)

No. The visual character of the Study Area is characterized by ruderal non-native grasslands and paved areas from previous and current land uses. Vegetation in the Study Area is limited to mostly low-lying grasslands and small trees along the area boundaries.

New York Slough, a waterway that provides access to Browns Island, a 595-acre undeveloped regional preserve. Telephone lines and industrial buildings are visible from the Study Area to the east. Views of the project site are limited to the immediate area.

Demolition, relocation or replacement of existing facilities would change the existing visual character of the project site. A temporary staging area for stockpiled materials, vehicle parking and equipment would be visible from existing access points and would extend beyond the project site.

Pursuant to PMC Chapter 18.36 Design Review, the City is required to review the design of a building proposed in an application for a land use permit or building permit. The proposed Project is subject this chapter and the City is required to make findings regarding the following standards:

(1) Whether the structure conforms with good taste, good design and in general contributes to the character and image of the City as a place of beauty, spaciousness, balance, taste, fitness, broad vistas, and high quality; (2) Whether the structure will be protected against exterior and interior noise, vibrations and other factors which may tend to make the environment less desirable; (3) Whether the exterior design and appearance of the structure is not of inferior quality as to cause the nature of the neighborhood to materially depreciate in appearance and value; (4) Whether the structure is in harmony with proposed developments on land in the general area; and (5) Whether the application conforms with the criteria set forth in any applicable City-adopted design guidelines.

The proposed Project would be consistent with the visual character and overall design guidelines of industrial uses outlined in PMC Chapter 18.36. The proposed Project would have minimal impact on the visual character or quality of the project site and its surroundings. The proposed Project would not conflict with the City's General Plan or applicable zoning codes for industrial development. Therefore, implementation of the proposed Project would have a less-than-significant impact on aesthetic resources.

Significance Level: Less than Significant. No mitigation is required.

d. Would the proposed Project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? (AES-4)

No. The project site is in a highly developed industrial area. Existing exterior lighting within the project vicinity consists of security lighting and intermittent lighting from surrounding industrial uses. Project demolition, relocation, and equipment staging would take place on the existing project site; however, demolition and site clearing work would occur during daylight hours only.

The City of Pittsburg Municipal Code includes performance standards to protect the aesthetic and visual character of an area, such as outdoor lighting and glare (PMC Section 18.82.030, A). The proposed Project would not constitute a source of daytime glare because exterior work would occur on non-reflective surfaces. The proposed project site is in an existing industrial corridor that is currently lighted at night. Exterior lighting would be added to the project site to facilitate night-time facility operations and maintenance. To minimize light and glare impacts to neighboring properties, lighting associated with exterior nighttime operations would be directed toward the interior of the project site (PMC Section 18.82.030, B). The installation of lighting would be consistent with existing lighting in the project area. Because the proposed Project would not result in noticeable sources of light or glare compared to existing conditions, this impact would be less than significant. The proposed project site would be maintained in a clean and orderly state. Nighttime lighting would be directed away from residential areas and have shields to prevent light spillover effects.

Significance Level: Less than Significant. No mitigation is required.

3.1.5 References

California Department of Transportation. List of eligible and officially designated State Scenic Highways and List of Officially Designated County Scenic Highways. Online: <https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways>. Website accessed November 20, 2023.

City of Pittsburg, 2001. City of Pittsburg General Plan 2020: A Vision for the 21st Century.
January.

3.2 AGRICULTURE AND FORESTRY

3.2.1 Introduction

This section describes the effects on agricultural resources during construction and operation with implementation of the proposed Project. The analysis evaluates the project's potential to convert designated Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. The analysis also examines conflicts with existing zoning on forest land, timberland, and lands designated for agricultural use. The environmental setting section was prepared using information developed from maps of the project vicinity and associated literature cited below.

- California Department of Conservation Farmland Mapping Program
- City/County Williamson Act Contract Database

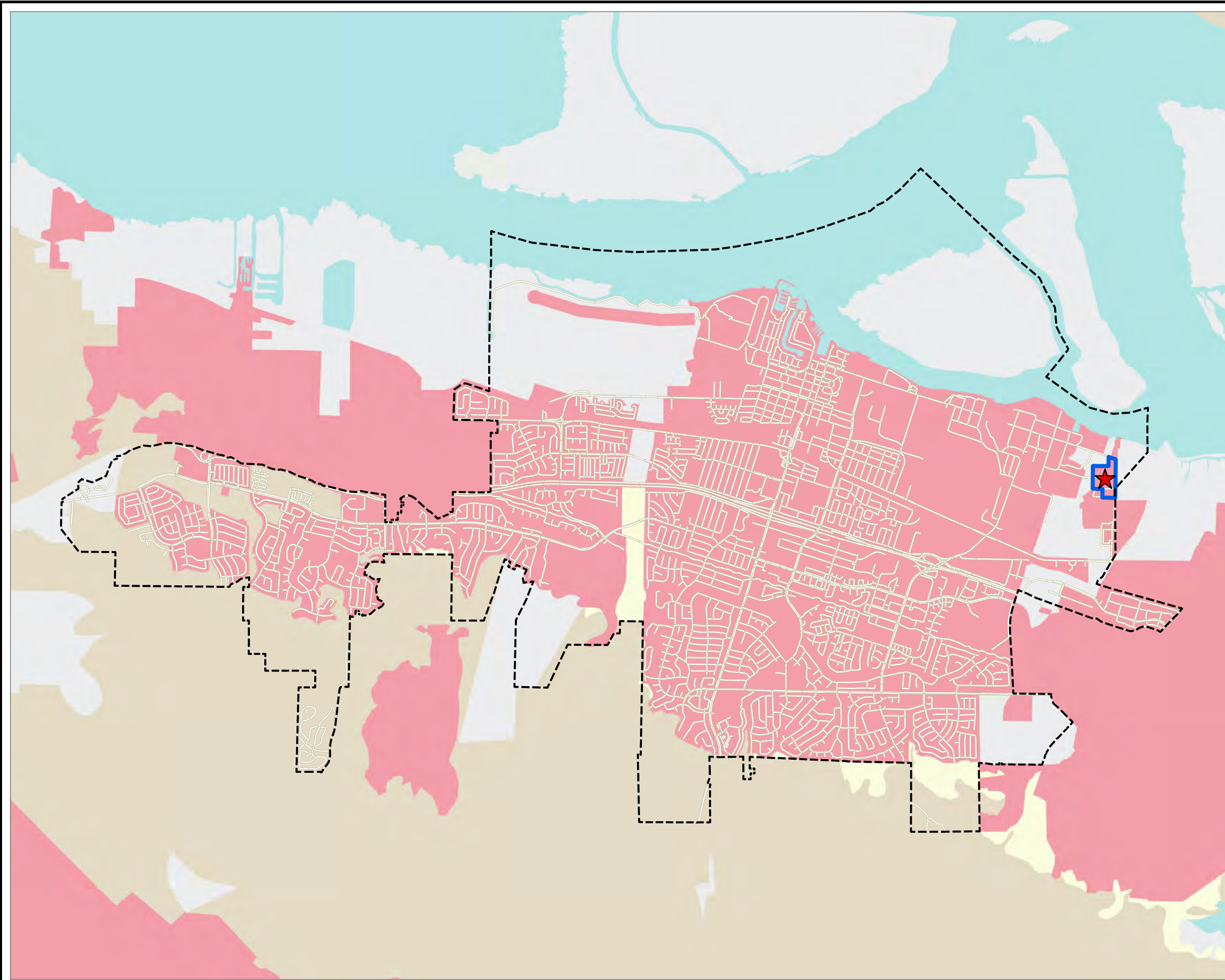
3.2.2 Environmental Setting










The project site is in the city of Pittsburg (City) and comprises 24 acres that are zoned as General Industrial (IG). The City is primarily composed of Urban and Built-Up Land, while tracts of Farmland of Local Importance are found southwest and southeast of Pittsburg (Figure 3.2-1). The City has no lands designated as agricultural (City of Pittsburg 2001). The 2022 Contra Costa County Important Farmland Map indicates that the project site is situated on Urban and Built-Up Land. The land use surrounding the project site is primarily industrial, including Corteva Agriscience's manufacturing facility (to the north), Calpine's Delta Energy Center (to the east), the Delta Diablo wastewater treatment facility (to the east), and multiple, other industrial facilities (to the west). None of the lands within or near the project site are used for timber harvesting.

As per the Contra Costa County General Plan, urbanization has led to a decrease in agricultural acreage since the 1940s. The decline in agricultural land in Contra Costa County over a period of twenty years has occurred gradually, from 168,200 acres in 1997 to 155,572 acres in 2017, which translates to an eight (8) percent decrease in agricultural land. Cropland has been most affected, with a decline from 43,528 acres in 1997 to 20,079 acres in 2017, amounting to a 53.9 percent decrease. Prime Farmland is primarily located in the eastern region of the county, in Brentwood. Contra Costa County had 459 farms in 2017, with almost half (47.5 percent) being between one to nine acres. Field crops, including alfalfa and cereal hay, make up most of the agricultural cultivated acreage (Contra Costa Agricultural Crop Report 2019).

The California Farmland Mapping and Monitoring Program (FMMP) is a state-level program established in 1978 by the California Department of Conservation's Division of Land Resource Protection. The primary goal of the program is to identify and map agricultural land in the state. Agricultural land is rated according to soil quality and irrigation status. The highest quality land, called "Prime Farmland", has the best combination of physical and chemical features able to sustain long-term agricultural production. Characteristics of "Farmland of Statewide Importance" includes high-quality soil but also have features that are inhibitive of agricultural development, such as greater slopes or less ability to store moisture. Farmland of lower quality soils used for the production of the state's leading agricultural crops is rated as "Unique Farmland."

Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet, Map Rotation: 0
- Saved By: SRAY on 7/16/2024, 10:42:48 AM, File Path: V:\H-Cycle\506412_Pittsburg_Hydrogen\Project\5-APPX\Renewable Hydrogen Project EIR.aprx, Layout Name: Agricultural Map



-  PROJECT LOCATION
-  PROJECT SITE BOUNDARY
-  ROADS
-  CITY LIMITS
-  GRAZING LAND
-  FARMLAND OF LOCAL IMPORTANCE
-  OTHER LAND
-  URBAN AND BUILT-UP LAND
-  WATER AREA

DATA SOURCES: TRC, STATE OF CALIFORNIA GEOPORTAL, IMPORTANT FARMLAND.



1:45,600
1" = 3,800'



PROJECT: **H CYCLE
PITTSBURG RENEWABLE HYDROGEN PROJECT
CONTRA COSTA COUNTY, CALIFORNIA**

TITLE: **CITY OF PITTSBURG AGRICULTURAL
ZONING DESIGNATIONS**

DRAWN BY: S. RAY PROJ. NO.: 506412.0000.0000

CHECKED BY: R. SPRING

APPROVED BY: P. DEMICHELE **FIGURE 3.2-1**

DATE: JANUARY 2024

 **TRC** 1850 GATEWAY BLVD, SUITE 1075
CONCORD, CA 94520
PHONE: 925.688.1200

FILE: Renewable Hydrogen Project EIR.aprx

This land is usually irrigated, but may include non-irrigated orchards or vineyards, as found in some climate zones in California. Land of importance to the local agricultural economy, as determined by each county’s Board of Supervisors and a local advisory committee, is categorized as Farmland of Local Importance. Grazing land has existing vegetation that is suited to livestock grazing. Table 3.2-1 lists the cultivated crop acreages in Contra Costa County.

Table 3.2-1: Cultivated Crop Acreages in Contra Costa County

Cultivated Crop	2012	2017	2018	2019
Vegetable & Seed Crops	7,088	9,161	7,224	7,125
Field Crops	194,666	197,405	175,557	173,923
Fruit & Nut Crops	3,403	4,234	4,250	4,469
Nursery Products	27	23	24	14
Total	205,184	199,411	187,055	185,531

3.2.3 Regulatory Context

3.2.3.1 Federal

The Natural Resource Conservation Service (NRCS), an agency within the United States Department of Agriculture, is responsible for implementation of the Farmland Protection Policy Act (FPPA). The purpose of the FPPA is to minimize Federal programs' contribution to the conversion of farmland to non-agricultural uses by ensuring that Federal programs are administered in a manner that is compatible with state, local, and private programs designed to protect farmland. The NRCS provides technical assistance to Federal agencies, state and local governments, tribes, and nonprofit organizations that desire to develop farmland protection programs and policies. The NRCS summarizes FPPA implementation in an annual report to the United States Congress.

3.2.3.2 State

The Williamson Act, also known as the California Land Conservation Act of 1965, is a state law that aims to preserve agricultural land and open space in California (Government Code Section 51200–51297.4, as amended). The Williamson Act provides property tax incentives to landowners who agree to maintain their land in agricultural or open space use for a minimum of ten years. In exchange for the tax benefits, landowners agree to abide by certain restrictions on the use of their land, including limits on development and restrictions on subdividing property. The Williamson Act has been used as a tool for preserving agricultural land and open space in California. (California Department of Conservation 2018). Specifically, Government Code Section 51238(a) contains the following provisions regarding agricultural preserves:

- Notwithstanding any determination of compatible uses by the Contra Costa County or City pursuant to this article, unless the board or council after notice and hearing makes a finding to the contrary, the erection, construction, alteration, or maintenance of gas, electric, water, communication, or agricultural laborer housing facilities are hereby determined to be compatible uses within any agricultural preserve.

- No land occupied by gas, electric, water, communication, or agricultural laborer housing facilities shall be excluded from an agricultural preserve by reason of that use.

3.2.3.3 Local

The Contra Costa General Plan includes provisions for the development and maintenance of agricultural land throughout the county. These provisions are designed to support the preservation and promotion of agricultural activities as an important aspect of the local economy and culture.

One key component of the agricultural standards in the Contra Costa General Plan is the establishment of an agricultural land conservation program. This program aims to protect and conserve agricultural lands by encouraging the voluntary participation of landowners in conservation easements and other land preservation agreements. The program also provides incentives for landowners to engage in sustainable agricultural practices that promote soil health, water conservation, and other environmental benefits.

The General Plan also includes provisions for the development of agricultural tourism as a means of promoting and supporting local agriculture. This includes the development of farm tours, educational programs, and other events that showcase the county's agricultural heritage and provide opportunities for residents and visitors to learn about local food production and farming practices.

3.2.4 Impacts and Mitigation Measures

The significance criteria for this analysis were developed from criteria presented in CEQA Guidelines Appendix G. The proposed Project could result in a significant impact on agricultural and forestry resources if it would result in any of the impacts listed below.

Significance Criteria

- a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the California Resources Agency FMMP, to non-agricultural use?
- b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?
- c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?
- d. Result in the loss of forest land or conversion of forest land to non-forest use?
- e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of farmland, to non-agricultural use or conversion of forest land to non-forest use?

Significance Criteria a, b, c, and e:

No. The project site is designated as “Urban and Built-Up” per the California Department of Conservation Farmland Mapping Monitoring Program (FMMP). The proposed Project would not convert farmland, conflict with existing zoning for agricultural uses or forest land and would not result in the loss or conversion of forest land. Because the project site does not contain agricultural uses and is not zoned for such uses, the proposed Project would not require the conversion of any land designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural use. The proposed Project would not conflict with any existing agricultural zoning or Williamson Act contracts.

Significance Level: No impact, no mitigation required.

Significance Criteria d:

No. The project site does not include designated forest land or timberland by the State Public Resource Code. Therefore, the proposed Project would not conflict with zoning for forest land, cause a loss of forest land, or convert forest land to a different use. The proposed Project would therefore have no impact on agricultural and forest resources and no mitigation would be required.

Significance Level: No impact, no mitigation required.

3.2.5 References

California Department of Conservation. 2021. *Contra Costa County Important Farmland*. 2018. Available at: <https://www.conservation.ca.gov/dlrp/fmmp/Pages/ContraCosta.aspx>. Accessed December

City of Pittsburg. 2001. *City of Pittsburg General Plan 2020: A Vision for the 21st Century*. January.

Contra Costa County Department of Conservation and Development (CCDCD). 2017. *Contra Costa County Agricultural Preserves Map*. 2016. Available at: <https://www.contracosta.ca.gov/DocumentCenter/View/882/Map-of-Properties-Under-Contract?bidId=>.

Contra Costa County Department of Agriculture (CCDA). 2019. “Weights & Measures.” *Contra Costa Agricultural Crop Report*. 2012, 2017, 2019. Available at: <https://www.contracosta.ca.gov/2207/Crop-and-Economic-Reports>

United States Department of Agriculture (USDA). 2023. *National Agricultural Statistics Services*. Available at: <https://quickstats.nass.usda.gov/results/A8BFBDC7-7BF3-399A-B33C-326D86B487AD>

3.3 AIR QUALITY AND GREENHOUSE GAS EMISSIONS

3.3.1 Introduction

This section evaluates the potential air quality and greenhouse gas (GHG) emissions and health impacts from construction and operation of the proposed H Cycle Pittsburg Renewable Hydrogen Project (Project). Sources of emissions from proposed project construction and operation were evaluated by GeoEngineers, Inc. (December 2023; see Appendix B). This section provides a description of existing air quality conditions, an overview of air quality regulations, and an analysis of the potential impacts on regional and local air quality from proposed project construction and operation of air emission sources associated with the proposed Project.

Evaluation of air quality and GHG emissions from proposed project construction and operation starts with an understanding of the construction and processing steps to be used, and quantification of the associated criteria air pollutant (CAP), toxic air contaminant (TAC), and GHG emissions. The quantity of CAP, TAC, and GHG emissions are compared against the established applicable thresholds of significance to determine if there would be a potential significant environmental impact caused by the proposed Project. Further analysis was performed to determine if the proposed Project would conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing emissions. The methods of analysis used for short-term construction and long-term operational emissions were developed based on methodologies established by the Bay Area Air Quality Management District (BAAQMD), California Air Resources Board (CARB), and United States Environmental Protection Agency (EPA).

3.3.2 Existing Environmental Setting

This section provides an overview of the existing environmental setting as it relates to air quality and GHG emissions within the proposed project area air basin. Air quality is affected by the rate and location of air pollutant emissions. Atmospheric conditions such as wind speed, wind direction, and air temperatures interact with features of the landscape to determine the movement and dispersal of air pollutants and have an impact on air quality. Air quality conditions have also been measured and evaluated over time, and this environmental setting description also provides information about existing local and regional air quality conditions.

3.3.2.1 Sensitive Receptors

An element of the air quality analysis is to determine the potential impact on sensitive receptors. For purposes of air quality and health impact analyses, sensitive receptors are land uses with populations that would be particularly susceptible to exposure to air pollutants, dust, noise, or other disturbances associated with proposed project construction and/or operation. Sensitive receptors typically include residences, schools, day care centers, libraries, hospitals, residential care centers, parks and churches. Some receptors are more sensitive than others to the impacts of air pollutants, including children, pregnant women, the elderly, and those with existing health problems. The nearest residences are south of SR 4, approximately 0.9 mile southwest of the proposed project site (see Figure 2-2). Sensitive receptors are discussed in the health risk assessment (HRA) section.

3.3.3 Criteria Air Pollutants (CAPs)

Criteria air pollutants (CAPs) are those pollutants for which EPA or CARB have established air quality standards for ambient (outdoor) concentrations to protect public health. The EPA and CARB standards have been set at levels to protect human health with a determined margin of safety. For some pollutants, there are also secondary standards to protect the environment. EPA has established National Ambient Air Quality Standards (NAAQS) for the following CAPs:

- Ozone (O₃)
- Carbon monoxide (CO)
- Nitrogen dioxide (NO₂)
- Sulfur dioxide (SO₂)
- Particulate matter (inhalable particulate matter [PM₁₀] and fine particulate matter [PM_{2.5}])
- Lead

CARB has established the California Ambient Air Quality Standards (CAAQS) for the six CAPs regulated by the EPA (some of these standards are more stringent than the NAAQS) and in addition, for the following pollutants or air quality conditions:

- Sulfates
- Hydrogen sulfide (H₂S)
- Vinyl chloride
- Particulates reducing visibility

Table 3.3-1 below summarizes the characteristics, health impacts, and sources of these CAPs. A more detailed discussion for each is also provided below.

3.3.3.1 Ozone (O₃)

Ozone is a powerful oxidizing agent that generally exists as a gas and is highly chemically reactive. It is colorless at low concentrations, and blue at higher concentrations. It has a characteristic odor often associated with electrical sparks in low concentrations. Ozone is composed of three oxygen atoms.

In the troposphere (the lowest layer of the Earth's atmosphere), ozone is produced by a photochemical process involving the sun's energy. Ozone is a secondary pollutant formed by a chemical reaction between the precursor compounds, reactive organic gases (ROGs) and oxides of nitrogen (NOX), in the presence of sunlight. So, unlike other typical pollutants, ozone is not emitted directly into the atmosphere from any sources. In the stratosphere (the layer in the atmosphere just above the troposphere), ozone exists naturally and shields the Earth from the harmful effects of incoming ultraviolet radiation.

ROG and NO_x precursor compounds are emitted from combustion sources such as on-road and off-road vehicles, construction equipment, agricultural equipment, power plants, and cement kilns.

Ground-level ozone is a strong irritant that reaches its highest level during the afternoon and early evening hours, with the highest overall levels occurring most often during the summer months. Ozone is a major component of smog, which causes visibility and health impacts including eye

irritation, asthma, emphysema, chronic bronchitis, aggravation of pre-existing heart and lung conditions, and other respiratory system impacts.

3.3.3.2 Reactive Organic Gases (ROGs)

Reactive Organic Gas (ROG) is a photochemically reactive chemical gas, composed of non-methane hydrocarbons, that may contribute to the formation of smog. CARB defines Reactive Organic Gases (ROGs) as any compound of carbon, excluding a specific list of non-reactive gases. ROGs are precursor chemicals required in the atmosphere to form ozone, and are typically found in paints, architectural coatings, cleaning products, adhesives and sealants, and personal care products. No specific, separate health standard exists for ROGs, even though some are toxic, such as benzene.

3.3.3.3 Nitrogen Oxides (NO_x)

Nitrogen oxides (NO_x) are a family of gaseous nitrogen compounds that are precursors to the formation of ozone and particulate matter in the atmosphere. The major component of NO_x is nitrogen dioxide (NO₂), a pungent gas that, along with fine airborne particulate matter, contributes to the reddish-brown haze characteristic of smoggy air in California. NO₂ is composed of one atom of nitrogen and two atoms of oxygen and is a gas at ambient temperatures.

It should be noted that the CAAQS is specifically for NO₂, while the NAAQS is for NO_x as a group, with NO₂ the marker for determining attainment. In both cases; however, the intent is to control NO_x emissions as a group.

NO_x emissions result primarily from the combustion of fossil fuels, particularly in on-road and off-road motor vehicles, construction equipment, power plants, industrial boilers, and cement kilns. NO_x reacts with ROGs in the atmosphere and contributes to smog formation. NO_x emissions are a major component of acid rain.

The health impacts from exposure to NO_x can intensify responses to allergens in allergic asthmatics. In addition, a number of epidemiological studies have demonstrated associations between NO₂ exposure and premature death, cardiopulmonary effects, decreased lung function growth in children, respiratory symptoms, emergency room visits for asthma, and intensified allergic responses.

3.3.3.4 Carbon Monoxide (CO)

Carbon monoxide (CO) is a colorless, odorless, toxic gas composed of one carbon atom and one oxygen atom. It is produced by incomplete combustion of carbon-containing fuels such as gasoline, fuel oil, natural gas, coal, and wood in on-road and off-road vehicles, oil-fired industrial boilers and heaters, coal-fired power plants, and in wood stoves and fireplaces. CO contributes indirectly to climate change because it participates in chemical reactions in the atmosphere that produce ozone.

Exposure to even small amounts CO inhibits the blood's ability to carry oxygen to body tissues and vital organs. Common symptoms of CO exposure are headache, nausea, rapid breathing, weakness, exhaustion, dizziness, and confusion. Acute CO poisoning may result in reversible neurological effects or long-term irreversible brain or heart damage.

3.3.3.5 Sulfur Dioxide (SO₂)

Sulfur dioxide (SO₂) is a colorless, irritating gas with a pungent odor. It is composed of one sulfur atom and two oxygen atoms. SO₂ belongs to a family of chemicals composed of sulfur and oxygen, known collectively as sulfur oxides (SO_x). SO₂ is emitted from combustion sources burning fuel that contains sulfur, and is emitted from motor vehicles, off-road construction equipment, power plants, petroleum refineries, and metal processing plants.

Controlled studies show that people with asthma are more likely to experience adverse responses with SO₂ exposure. These effects are accompanied by respiratory irritation symptoms like wheezing, shortness of breath and chest tightness. These symptoms are exacerbated during physical activity. Exposure at elevated levels of SO₂ (above 1 ppm) may result in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality. The elderly and people with cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most likely to experience adverse effects.

3.3.3.6 Particulate Matter (PM)

Particulate matter (PM) is a complex and variable mixture of extremely small particles and liquid droplets, made up of components including acids (such as nitrates and sulfates), organic chemicals, metals, soil, and dust particles. The size of particles is directly linked to their potential for causing adverse health impacts. The greatest impacts are from particles 10 micrometers in diameter or smaller because those pass through the throat and nose and enter the lungs. Once inhaled, PM can aggravate chronic respiratory disease, affect heart and lung functions, and may cause other adverse respiratory system impacts.

For regulatory purposes, PM is classified into two main categories by EPA based on particle size. These are PM₁₀ and PM_{2.5}, which are emitted from carbon-containing fuel combustion sources, construction equipment, motor vehicles, power plants, petroleum refineries, tire and brake dust, fugitive dust, fires, and other sources.

- “Inhalable particles (PM₁₀)” consist of fine dusts and aerosols 10 microns or smaller in diameter. PM₁₀ is also formed in the atmosphere from the reaction of NO_x and SO₂ with ammonia (NH₃) and will scatter light reducing visibility. When inhaled, particles larger than 10 microns are typically caught in the nose and throat and do not enter the lungs. However, particles smaller than 10 microns, PM_{2.5-10}, are deposited in the thoracic region of the lungs. This can cause serious health issues including permanent lung and/or respiratory tract damage.
- “Fine inhalable particles (PM_{2.5})” consist of fine dusts and aerosols 2.5 microns in diameter and smaller. PM_{2.5} includes “ultrafine particles (UFP)” which are particles less than 0.1 micrometer in diameter and analyzed as a component of PM_{2.5}. While UFP mass is a small portion of PM_{2.5}, its ability to penetrate deeply into the lungs and transfer into the bloodstream may result in disproportionate health impacts relative to the mass of their particles.

3.3.3.7 Lead

Lead is a naturally occurring, relatively soft and chemically resistant metal element found in small quantities in the Earth's crust. Lead exists in all parts of the environment, including the air, water, and the biosphere. As an air pollutant, lead exists as small particles. Sources of lead emissions in California have included use of lead-based paints in homes, consumer products, and industrial sources such as ore and metals processing, and lead smelting.

Historically, leaded gasoline-powered automobile engines were a major source of airborne lead. Leaded fuels have been mostly phased out, and over time ambient air concentrations of lead have dropped significantly. However, because lead was emitted in large amounts from leaded gasoline-powered vehicles, it remains present in many soils after being deposited there by airborne dispersion. There remains the possibility that lead in soils could become re-suspended into the air depending on the type of lead compound and characteristics of the soil.

Because lead is only slowly excreted by the human body, exposures to tiny amounts of lead from a variety of sources could accumulate to harmful levels. Effects from inhalation of lead above the level of the ambient air quality standard may include impaired blood formation and nerve conduction. Lead can adversely affect the nervous, reproductive, digestive, and immune systems. Symptoms may include fatigue, anxiety, short-term memory loss, depression, weakness in the extremities, and learning disabilities in children. Exposure to lead may also cause cancer.

3.3.3.8 Sulfates

Sulfates are a family of chemicals that contain the fully oxidized ionic form of sulfur and exist in combination with metal and/or hydrogen ions. Sulfur compound emissions occur mainly from the combustion of fossil fuels containing sulfur. A small amount of sulfate is directly emitted from combustion of sulfur-containing fuels, but most ambient sulfate is formed in the atmosphere.

Sulfates degrade visibility, and because sulfate particles are usually acidic, when dissolved in water they form sulfuric acid. Sulfuric acid deposition typically occurs through acid rain or snow, which damages ecosystems and materials, and increases the acidity of waterways and lakes, inhibiting fertility, growth, and development of fish and other aquatic species.

Populations with greater risk of adverse health from exposure to sulfates include children, asthmatics, and older adults who have chronic heart or lung diseases. The sulfate standard established by CARB is designed to prevent aggravation of respiratory symptoms.

3.3.3.9 Hydrogen Sulfide

Hydrogen sulfide (H₂S) is a colorless gas with a distinct odor of rotten eggs at low concentrations. It is extremely flammable and highly toxic. H₂S is composed of two hydrogen atoms and one sulfur atom. It is used or produced by various industries including petroleum refineries, mining, and oil and natural gas extraction and processing. H₂S also occurs naturally in well water and geothermal fields and may be present in emissions from sewage and wastewater treatment plants, landfills, and other industrial sources.

Exposure to H₂S can cause eye irritation, headache, nausea, and vomiting. Exposure to higher levels of H₂S can induce serious adverse health effects, although these exposures are typically only encountered in occupational or industrial accident situations.

3.3.3.10 Vinyl Chloride

Vinyl chloride monomer (C₂H₃Cl, also known as VCM) is a colorless, flammable gas that does not occur naturally. It is manufactured industrially for commercial uses, primarily to make polyvinyl chloride (PVC). PVC is used to make a variety of plastic products, including pipes, consumer goods, and packaging materials. VCM is contained in the smoke produced from combustion of tobacco, which is the primary source of VCM exposure for the general population. In the environment, the highest levels of vinyl chloride are found in air around factories that produce VCM products. VCM exposure is associated with an increased risk of liver, brain and lung cancers, lymphoma and leukemia cancer (The National Cancer Institute 2021).

3.3.3.11 Visibility-Reducing Particles

Visibility-reducing particles are a mixture of suspended particulate matter consisting of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles degrade visibility by absorbing and scattering light, resulting in less clarity, color, and visual range. The haze caused by these particles can contribute to a range of adverse health effects as described above for PM. The CAAQS for visibility-reducing particles is intended to limit the frequency and severity of visibility impairment due to regional haze and is equivalent to a 10-mile nominal visual range.

Table 3.3-1: Summary of EPA Criteria Air Pollutants

Pollutant	Characteristics	Health Effects	Major Sources
Ozone (O ₃)	<ul style="list-style-type: none"> A highly reactive gas produced by a photochemical process involving the sun’s energy A secondary pollutant formed by a chemical reaction between ROG and NO_x causing smog 	<ul style="list-style-type: none"> Eye irritation, asthma, emphysema, chronic bronchitis, aggravation of pre-existing heart and lung conditions, and other respiratory system impacts 	Precursor chemical sources: <ul style="list-style-type: none"> Combustion of fossil fuels in in on-road and off-road vehicles Construction equipment Agricultural equipment Power plants Industrial boilers Cement kilns
Nitrogen Oxides (NO _x)	<ul style="list-style-type: none"> Family of chemicals that are precursors to ozone formation Major component is NO₂ Pungent gas Contributes to reddish-brown haze causing visibility impacts 	<ul style="list-style-type: none"> Intensify responses to allergens in allergic asthmatics Premature death Cardiopulmonary effects, decreased lung function growth in children, respiratory symptoms, emergency room visits for asthma, and intensified allergic responses 	Combustion of fossil fuels in: <ul style="list-style-type: none"> On-road and off-road vehicles Construction equipment Agricultural equipment Power plants Industrial boilers Cement kilns
Carbon Monoxide (CO)	<ul style="list-style-type: none"> Odorless, colorless, toxic gas Formed by incomplete combustion of carbon-containing fuels 	<ul style="list-style-type: none"> Inhibits blood’s ability to carry oxygen to body tissues and vital organs Headache, nausea, rapid breathing, weakness, 	Incomplete combustion of carbon-containing fuels in: <ul style="list-style-type: none"> On-road and off-road vehicles

Table 3.3-1: Summary of EPA Criteria Air Pollutants

Pollutant	Characteristics	Health Effects	Major Sources
		<ul style="list-style-type: none"> exhaustion, dizziness, and confusion • Acute CO poisoning may result in reversible neurological effects, or long-term irreversible brain or heart damage 	<ul style="list-style-type: none"> • Oil-fired boilers and heaters • Coal-fired power plants • Wood in stoves and fireplaces
Sulfur Dioxide (SO ₂)	<ul style="list-style-type: none"> • Colorless, irritating gas with pungent odor • Formed by combustion of fuel containing sulfur 	<ul style="list-style-type: none"> • Aggravate chronic respiratory disease • Increase the risk of respiratory system disease • Impair breathing 	<ul style="list-style-type: none"> • Motor vehicles • Construction equipment • Power plants • Petroleum refineries • Metal processing plants
Particulate Matter (PM ₁₀ and PM _{2.5})	<ul style="list-style-type: none"> • Includes “inhalable particles” (fine dusts and aerosols 10 microns in diameter and smaller) • Includes “fine inhalable particles” (fine dusts and aerosols 2.5 microns in diameter and smaller) • Includes “ultrafine particles” (fine dusts and aerosols less than 0.1 microns in diameter) 	<ul style="list-style-type: none"> • Size of particles is directly linked to potential for causing adverse health impacts • Greatest impacts are from particles 10 micrometers in diameter or smaller • Aggravation of chronic respiratory disease • Affect heart and lung function • Cause other adverse respiratory system impacts 	<ul style="list-style-type: none"> • PM₁₀ and PM_{2.5} are emitted from carbon-containing fuel combustion sources, construction equipment, motor vehicles, power plants, petroleum refineries, tire and brake dust, fugitive dust, fires, and other sources.
Lead	<ul style="list-style-type: none"> • Naturally-occurring elemental metal found in the Earth’s crust • Exists in all parts of the environment including air, water, biosphere • Ambient air concentrations have dropped since leaded fuels were phased out. 	<ul style="list-style-type: none"> • Impaired blood formation and nerve conduction • Affects nervous, reproductive, digestive and immune systems • May causes fatigue, anxiety, short-term memory loss, depression, weakness in extremities • May case learning disabilities in children • May cause cancer 	<ul style="list-style-type: none"> • Industrial sources • Combustion of leaded aviation gasoline
<p><i>Sources:</i></p> <ul style="list-style-type: none"> • California Air Resources Board. California Ambient Air Quality Standards (CAAQS). Available at: https://ww2.arb.ca.gov/resources/california-ambient-air-quality-standards. Accessed October 2023. • Sacramento Metropolitan, El Dorado, Feather River, Placer, and Yolo-Solano Air Districts, Spare the Air website. Air Quality Information for the Sacramento Region. Available at: https://www.sparetheair.com/. Accessed October 2023. • California Air Resources Board. Glossary of Air Pollution Terms. Available at: https://ww2.arb.ca.gov/glossary. Accessed October 2023. 			

3.3.4 Ambient Air Quality Standards

The NAAQS are divided into primary standards, designed to protect public health, and secondary standards, designed to protect public welfare. The standards for each pollutant represent levels that avoid specific adverse health effects. The NAAQS and CAAQS are summarized in Table 3.3-2.

The NAAQS and CAAQS were developed independently with differing purposes and methods. As a result, the federal and State standards differ in some cases. In general, the State of California standards are more stringent than the federal standards, particularly for ozone and PM.

Table 3.3-2: California and National Ambient Air Quality Standards (AAQS)

Pollutant	Averaging Time	California AAQS	National AAQS	
			Primary	Secondary
Ozone (O ₃)	1 Hour	0.09 ppm	--	--
	8 Hour	0.070 ppm	0.070 ppm	0.070 ppm
Carbon Monoxide (CO)	1 Hour	20 ppm	35 ppm	--
	8 Hour	9 ppm	9 ppm	--
Nitrogen Dioxide (NO ₂)	1 Hour	0.18 ppm	100 ppb	100 ppb
	Annual Mean	0.030 ppm	0.053 ppm	0.053 ppm
Sulfur Dioxide (SO ₂)	1 Hour	0.25 ppm	75 ppb	--
	3 Hour	--	--	0.5 ppm
	24 Hour	0.04 ppm	0.14 ppm (certain areas)	--
	Annual Mean	--	0.030 ppm (certain areas)	--
Respirable Particulate Matter (PM ₁₀)	24 Hour	50 µg/m ³	150 µg/m ³	150 µg/m ³
	Annual Mean	20 µg/m ³	--	--
Fine Particulate Matter (PM _{2.5})	24 Hour	--	35 µg/m ³	35 µg/m ³
	Annual Mean	12 µg/m ³	12 µg/m ³	15 µg/m ³
Lead	30 Day Average	15 µg/m ³	--	--
	Calendar Quarter	--	1.5 µg/m ³	1.5 µg/m ³
	Rolling 3-Month Average	--	15 µg/m ³	15 µg/m ³
Sulfates	24 Hour	25 µg/m ³	--	--
Hydrogen Sulfide	1 Hour	0.03 ppm	--	--
Vinyl Chloride	24 Hour	0.01 ppm	--	--

Table 3.3-2: California and National Ambient Air Quality Standards (AAQS)

Pollutant	Averaging Time	California AAQS	National AAQS	
			Primary	Secondary
Visibility-Reducing Particles	8 Hour	See Note 1	--	--

ppm = parts per million
ppb = parts per billion
μg/m³ = micrograms per cubic meter

Note 1: *Statewide Visibility Reducing Particle Standard (except Lake Tahoe Air Basin): Particles in sufficient amount to produce an extinction coefficient of 0.23 per kilometer when the relative humidity is less than 70 percent. This standard is intended to limit the frequency and severity of visibility impairment due to regional haze and is equivalent to a 10-mile nominal visual range.*

Source: California Air Resources Board (CARB). Ambient Air Quality Standards. May 4, 2016. Available at: <https://ww2.arb.ca.gov/sites/default/files/2020-07/aaqs2.pdf> Accessed October 2023.

3.3.5 Toxic Air Contaminants (TACs)

The California Health and Safety Code (§39655) defines a Toxic Air Contaminant (TAC) as “an air pollutant which may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health.” In addition, TACs include substances listed as federal Hazardous Air Pollutants (HAPs; pursuant to Section 7412 of Title 42 of the United States Code) under California’s air toxics program. TACs are considered “non-criteria” air pollutants since no NAAQS or CAAQS have been established. TACs are emitted from BAAQMD-regulated stationary sources including chemical manufacturing plants, petroleum refineries, and internal combustion engines (e.g., diesel-powered generators). However, the often more significant common source of TAC emissions is on-road motor vehicles including automobiles, trucks, and buses, and off-road sources such as locomotives and construction equipment. TACs are also emitted from unplanned, accidental releases from industrial facilities.

Carbon-based fossil-fueled combustion engines, including those used in automobiles, trucks, buses, and some off-road vehicles and construction equipment, release numerous different TACs. In terms of health risks, the most volatile contaminants are benzene, formaldehyde, 1,3-butadiene, toluene, xylenes, and acetaldehyde. Gasoline vapors contain several TACs, including benzene, toluene, and xylenes. Diesel engines emit a complex mixture of air pollutants, including both gaseous and solid material.

The solid material in diesel exhaust, DPM, is composed of carbon particles and numerous organic compounds, including known cancer-causing organic substances. Examples of such chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene. Diesel exhaust also contains gaseous pollutants, including volatile organic compounds and NOX. Due to the published evidence of a relationship between DPM exposure and lung cancer and other adverse health effects, CARB has identified DPM from diesel-fueled engines as a TAC. Although a variety of TACs are emitted by carbon-based fossil fueled combustion engines, the cancer risk due to DPM exposure represents a more significant risk than the other TACs discussed above.

More than 90 percent of DPM is less than one micrometer in diameter, therefore DPM is a subset of PM_{2.5}. As a California statewide average, DPM comprises about 8 percent of PM_{2.5} in outdoor air, although DPM levels vary regionally due to the non-uniform distribution of sources throughout the state. Most major sources of diesel emissions, such as ships, trains, and trucks, operate in and around ports, rail yards, and heavily traveled roadways. Such areas are often near highly populated areas. Thus, elevated DPM levels are mainly an urban problem, with large numbers of people exposed to higher DPM concentrations, resulting in greater health consequences compared to rural areas.

Due to the high levels of diesel activity, high volume freeways, stationary diesel engines, rail yards and facilities attracting heavy and constant diesel vehicle traffic are identified as having the highest associated health risks from DPM. Reclamation activities can also generate concentrations of DPM from haul trucks and off-road heavy equipment exhaust emissions.

Health risks from TACs are a function of both the concentration of emissions and the duration of exposure. The most significant health risks are typically associated with long-term exposure and the increased possibility of contracting cancer. Health effects of exposure to TACs other than cancer include birth defects, neurological damage, and death. Because chronic exposure can result in adverse health effects, TACs are regulated at the regional, state, and federal level. The identification, regulation, and monitoring of TACs is new compared to criteria for air pollutants established NAAQS or CAAQS. TACs are regulated or evaluated based on human health risk rather than compared to a numerical air quality standard or emission-based threshold.

3.3.6 Nuisance Odors

The BAAQMD California Environmental Quality Act (CEQA) Air Quality Guidelines recommend an assessment of the potential for a proposed Project to cause a public nuisance by subjecting surrounding land uses (receptors) to objectionable odors. BAAQMD Regulation 1 (“General Provisions and Definitions”), Rule 301 (“Public Nuisance”) states that “No person shall discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or the public; or which endangers the comfort, repose, health or safety of any such persons or the public, or which causes, or has a natural tendency to cause, injury or damage to business or property.”

BAAQMD Regulation 7 (“Odorous Substances”), Rule 101 (“Description”) places general limitations on odorous substances and specific emission limitations on certain odorous compounds. However, the limitations of Regulation 7 are not applicable until the BAAQMD Air Pollution Control Officer “receives odor complaints from 10 or more complainants within a 90-day period, alleging that a person has caused odors perceived at or beyond the property line of such person and deemed to be objectionable by the complainants in the normal course of their work, travel, or residence” (Regulation 7, Rule 702).

Nuisance odors may not cause direct physical harm, but they can be unpleasant, leading to considerable annoyance and distress among the public and can generate citizen complaints to local governments and regulatory agencies. Adverse effects of odors on residential areas and other sensitive receptors generate the most concern, but the impacts also affect land use types where people congregate, such as recreational facilities, worksites, and commercial shopping areas.

The potential for a nuisance odor impact is dependent on several factors including the nature of the odor source, distance between the odor source and receptors, and local meteorological conditions. Distance is arguably the most important factor influencing the potential for an odor impact to occur. The greater the distance from an odor source, the less concentrated the odor would be when reaching the receptor.

Meteorological conditions also affect the dispersion of odor emissions, which determines the exposure concentration at receptor locations. Wind speed and direction influence which receptors are exposed to the odors generated by a nearby source. The prevailing wind direction in the city of Pittsburg (City) is from the west, implying that odors would be typically carried towards receptors to the east. Topography also has some effect on air movement and odor dispersion.

Nuisance odors are generated from various sources of construction and operational activities. Examples of land use types that have a propensity to generate significant odors include domestic wastewater treatment plants, composting/green waste facilities, landfills, recycling facilities, petroleum refineries, chemical manufacturing plants, painting/coating operations, rendering plants, and food packaging plants. Diesel fumes associated with diesel-fueled equipment and heavy-duty trucks, such as from construction activities or freeway traffic, can be found to be objectionable to the public.

3.3.7 Attainment Status and Regional Air Quality Plans

The Federal Clean Air Act (FCAA) and the California Clean Air Act (CCAA) require all areas of California to be classified as attainment, nonattainment, or unclassified as to their status regarding the NAAQS and/or CAAQS. Areas not meeting the NAAQS presented in Table 3.3-2 above are designated by the EPA as nonattainment. Further classifications of nonattainment areas are based on the severity of the nonattainment problem, with marginal, moderate, serious, severe, and extreme nonattainment classifications for ozone. Nonattainment classifications for PM range from marginal to serious. Because of the differences between the NAAQS and CAAQS, the designation of nonattainment areas is different under federal and State regulations.

The FCAA requires areas violating the NAAQS to prepare an air quality control plan referred to as the State Implementation Plan (SIP). The SIP contains the strategies and control measures for states to use to attain the NAAQS. The SIP is periodically modified to reflect the latest emissions inventories, planning documents, rules, and regulations of air basins as reported by the agencies with jurisdiction over them. EPA reviews SIPs to determine if they conform to the mandates of the FCAA amendments and would be expected to achieve air quality goals when implemented. The CCAA requires local air pollution control districts with air quality that is in violation of CAAQS to prepare air quality attainment plans that demonstrate district-wide emission reductions of 5 percent per year averaged over consecutive three-year periods, unless an approved alternative measure of progress is developed.

Table 3.3-3 presents the current attainment status for California, including Contra Costa County. As shown in the table, the area is currently designated as a nonattainment area for the State and federal ozone, State and federal PM_{2.5}, and State PM₁₀ standards. The State is designated attainment or unclassified for all other AAQS.

In compliance with the FCAA and CCAA, the BAAQMD periodically prepares and updates air quality plans that provide emission reduction strategies to achieve attainment of the AAQS, including control strategies to reduce air pollutant emissions through regulations, incentive programs, public education, and partnerships with other agencies. The current air quality plans were prepared in cooperation with the Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG).

The most recent federal ozone plan is the 2001 Ozone Attainment Plan, which is a proposed revision to the Bay Area part of the SIP to achieve the federal ozone standard. The plan was adopted on October 24, 2001, and approved by the CARB on November 1, 2001. In August 2023, EPA announced a new review of the Ozone National Ambient Air Quality Standards (NAAQS) to ensure the standards reflect the most current, relevant science. The review is expected to take two years to complete, and EPA would revise the 2001 Ozone Attainment Plan in response to any changes made to the NAAQS for ozone.

The most recent State ozone plan is the 2017 Clean Air Plan, adopted on April 19, 2017. This was developed as a multi-pollutant plan that provides an integrated control strategy to reduce ozone, PM, TACs, and GHGs. The control strategies included building upon existing regional, State, and national programs for emissions reductions. The 2017 Clean Air Plan includes 85 control measures which provide an integrative approach to reducing emissions. Although a plan for achieving the State PM₁₀ standard is not required, the BAAQMD prioritized measures to reduce PM in developing the control measures for the 2017 Clean Air Plan.

The air quality plans discussed above contain control measures for mobile sources, stationary sources, and transportation to be implemented in the region to attain CAAQS and NAAQS. The plans are based on population and employment projections provided by local governments, usually developed as part of the General Plan update process.

On September 22, 2022, CARB finalized the 2022 State Strategy for the State Implementation Plan. This is a Statewide planning document that identifies the strategies and controls under State authority that are needed to reduce emissions of precursor pollutants to reduce ground-level ozone. These measures are needed across California for areas to meet the federal eight-hour ozone standard of 70 parts per billion.

Table 3.3-3: California NAAQS and CAAQS Attainment Status

Pollutant	Averaging Time	California AAQS	Attainment Status	Federal Primary AAQS	Attainment Status
Ozone (O ₃)	1 Hour	0.09 ppm	Nonattainment	--	--
	8 Hour	0.070 ppm	Nonattainment	0.070 ppm	Nonattainment
Carbon Monoxide (CO)	1 Hour	20 ppm	Attainment	35 ppm	Attainment
	8 Hour	9 ppm	Attainment	9 ppm	Attainment
Nitrogen Dioxide (NO ₂)	1 Hour	0.18 ppm	Attainment	100 ppb	Attainment
	Annual Mean	0.030 ppm	--	0.053 ppm	

Table 3.3-3: California NAAQS and CAAQS Attainment Status

Pollutant	Averaging Time	California AAQS	Attainment Status	Federal Primary AAQS	Attainment Status
Sulfur Dioxide (SO ₂)	1 Hour	0.25 ppm	Attainment	75 ppb	Attainment
	3 Hour	--	--	--	unclassified
	24 Hour	0.04 ppm	Attainment	0.14 ppm (certain areas)	Attainment
	Annual Mean	--	Attainment	0.030 ppm (certain areas)	Attainment
Respirable Particulate Matter (PM ₁₀)	24 Hour	50 µg/m ³	Nonattainment	150 µg/m ³	unclassified
	Annual Mean	20 µg/m ³	Nonattainment	--	--
Fine Particulate Matter (PM _{2.5})	24 Hour	--	--	35 µg/m ³	Nonattainment
	Annual Mean	12 µg/m ³	Nonattainment	12 µg/m ³	Attainment
Lead	30 Day Average	15 µg/m ³	--	--	--
	Calendar Quarter	--	--	1.5 µg/m ³	Attainment
	Rolling 3-Month Average	--	--	15 µg/m ³	Attainment
Sulfates	24 Hour	25 µg/m ³	Attainment	--	--
Hydrogen Sulfide	1 Hour	0.03 ppm	unclassified	--	--
Visibility-Reducing Particles	8 Hour	See Note 1	unclassified	--	--

ppm = parts per million

ppb = parts per billion

µg/m³ = micrograms per cubic meter

Note 1: Statewide Visibility Reducing Particle Standard (except Lake Tahoe Air Basin): Particles in sufficient amount to produce an extinction coefficient of 0.23 per kilometer when the relative humidity is less than 70 percent. This standard is intended to limit the frequency and severity of visibility impairment due to regional haze and is equivalent to a 10-mile nominal visual range.

Source: California Air Resources Board (CARB). Ambient Air Quality Standards. May 4, 2016. Available at: <https://ww2.arb.ca.gov/sites/default/files/2020-07/aaqs2.pdf> Accessed October 2023.

Source: Bay Area Air Quality Management District (BAAQMD). Ambient Air Quality Standards and Attainment Status. January 5, 2017. Available at: <https://www.baaqmd.gov/about-air-quality/research-and-data/air-quality-standards-and-attainment-status>

Accessed October 2023.

3.3.7.1 Local Air Quality Monitoring

The BAAQMD conducts ambient air monitoring in the nine-county area of its jurisdiction, both through a fixed-station network and special short-term studies. The ambient air quality monitoring network consists of over 30 stations that collect local air quality data and measure significant air pollutants. The data from the network and special studies are used to determine which AAQS are being violated, and to direct emission reduction efforts, such as developing attainment plans and rules, and incentive programs. The nearest local air quality monitoring station to the proposed project site is the Concord-2975 Treat Boulevard station, located at 2975 Treat Boulevard in the city of Concord, approximately 11 miles southwest of the proposed project site. Based on the data available from this monitoring station, Table 3.3-4 presents the number of days that the state and federal AAQS were exceeded for the three-year period from 2019 to 2021. It should be noted that because the nearest monitoring station is over 11 miles away from the proposed project site, air quality data can be reasonably inferred, but not precisely gauged, from such measurements.

Table 3.3-4: Days AAQS Exceeded – Concord-2975 Treat Blvd. Monitoring Station, Contra Costa County

Pollutant	Standard	2020	2021	2022
1-Hour Ozone	California	2	1	0
	Federal	0	0	0
8-Hour Ozone	California	3	1	0
	Federal	3	1	0
24-Hour PM _{2.5}	California	Insufficient data	0	No data
	Federal	16.2	2	0
24-Hour PM ₁₀	California	Insufficient data	0	0
	Federal	11.5	0	0

Source: California Air Resources Board. Aerometric Data Analysis and Management (iADAM) System. Available at: <http://www.arb.ca.gov/adam/welcome.html>. Accessed October 2023.

3.3.8 Greenhouse Gas Emissions

To better understand the contents of this section, it is useful to first present some basic concepts concerning global climate change and greenhouse gases (GHGs).

3.3.8.1 The Greenhouse Effect

GHGs trap heat in the Earth’s atmosphere and contribute to a natural phenomenon known as the “greenhouse effect.” This effect is caused by heating of the Earth’s troposphere (the lowest layer of the atmosphere and therefore closest to the Earth’s surface) caused by the presence of water vapor, carbon dioxide, methane, nitrous oxide, and certain other gases in the air. Most visible light from the Sun passes through to the Earth’s surface. As Earth’s surface is heated, some of the heat is radiated back toward space as infrared radiation. This radiation can be absorbed by GHGs in the atmosphere, causing heat to build up on the Earth’s surface. The greenhouse effect is a naturally

occurring phenomenon, but the effect is greatly intensified by emissions of GHGs into the Earth's atmosphere as the result of human activity and actions. This diagram shows the greenhouse effect.

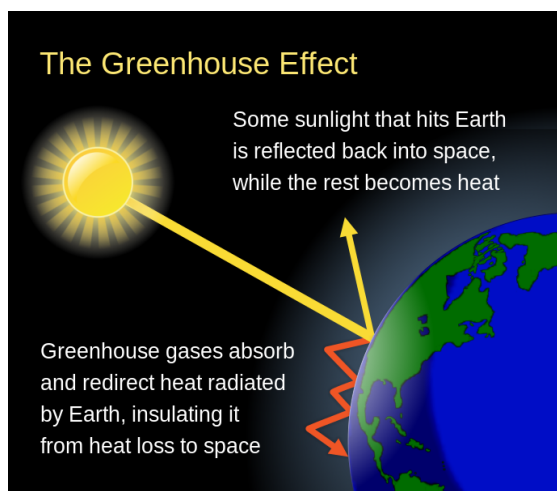


Figure 3.3-1: Greenhouse Effect

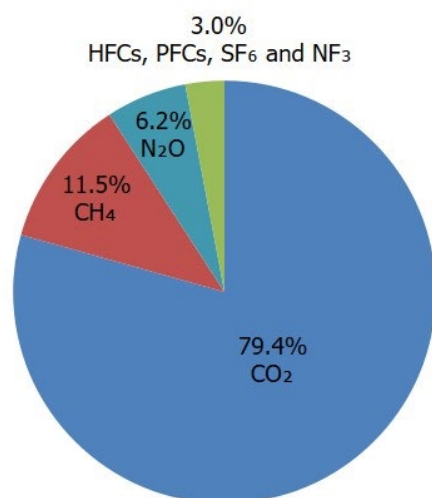
The primary GHGs responsible for the greenhouse effect and global climate change are as follows:

- **Carbon Dioxide:** The chemical formula for carbon dioxide is CO_2 , which means there is one carbon atom attached to two oxygen atoms for every carbon dioxide molecule. Under normal atmospheric pressure and temperature conditions, carbon dioxide is a non-flammable gas that has no odor and is not detected by human smell, and because it has no color, it is not visible in the atmosphere. Carbon dioxide occurs naturally in the Earth's atmosphere, and carbon dioxide emissions come from a variety of sources, some natural, and others resulting from human activities and actions. By far the largest source of carbon dioxide emissions is from the burning or combustion of fossil fuels, such as coal, oil, and gas.
- **Methane:** The chemical formula for methane is CH_4 , meaning that there are four hydrogen atoms attached to one carbon atom for every methane molecule. Under normal atmospheric pressure and temperature conditions, methane is a flammable gas that has no odor, so it is not detected by human smell, and since it has no color, it is not visible in the atmosphere. Methane is the main component of natural gas, but an odorant is added as a safety precaution so that it is detectable by human smell. Methane emissions have steadily increased from human activity since the start of the industrial revolution in the 1700's. Other human activities resulting in methane emissions include oil and gas extraction, waste management, and manure management. Natural sources of methane emissions such as plants, animals, wetlands, and permafrost also play a significant role in atmospheric methane emissions. Methane is attributed to playing a significant role in climate change.
- **Nitrous Oxide:** The chemical formula for nitrous oxide is N_2O , meaning that there are two nitrogen atoms attached to one oxygen atom. Under normal atmospheric pressure and temperature conditions, nitrous oxide is a nonflammable gas that has a slightly sweet odor, but it has no color, so it is not visible in the atmosphere. Nitrous oxide is commonly known as "laughing gas" and has significant applications as an anesthetic in medicine and dentistry.

Emissions of nitrous oxide to the Earth’s atmosphere come from natural sources such as soil underneath vegetation, and others resulting from human activities and actions including agriculture, burning or combustion of fossil fuels, industrial processes, and biomass burning

- Fluorinated Gases:** Nitrogen trifluoride (NF_3), sulfur hexafluoride (SF_6), hydrofluorocarbons (HFCs), and perfluorocarbons (PFCs) are commercially produced chemicals that are used in various manufacturing processes and other industrial applications. Under normal atmospheric pressure and temperature conditions, most of these gases are odorless, colorless, and generally nonflammable. A few HFCs are liquids under normal conditions. NF_3 is used in the manufacture of electronics, liquid crystal displays, and solar energy cells. SF_6 is used primarily in electric transmission systems. Many HFC compounds were developed and used mainly in automotive air conditioning and other refrigeration applications, resulting in large quantities of emissions from production, atmospheric releases, and recharging operations. PFC gases are powerful GHGs that are emitted from natural sources, but the most significant sources of human-generated emissions include aluminum production, and semi-conductor manufacturing.

The chart below, prepared by the EPA, shows the contribution of individual GHGs to the total of 6,340 million metric tons (carbon dioxide equivalent [CO_2e]; excluding the land use sector) greenhouse gas emissions in the United States in 2021.



U.S. Environmental Protection Agency (2023). Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2021

Figure 3.3-2: Contributions to Greenhouse Gas Emissions

3.3.8.2 Global Warming Potential

Each GHG has a global warming potential (GWP) value, which is a measure of how much energy the emissions of one (1) ton of a gas will absorb over a given period, as compared to the emissions of one (1) ton of CO_2 . The greater the GWP, the more a given GHG warms the Earth compared to

CO₂ over that period, typically 100 years. GWPs are updated occasionally as more data is developed and climate change science evolves.

GWP is calculated by the Intergovernmental Panel on Climate Change based on the intensity of infrared absorption of each GHG. It can be used to estimate the potential impacts of GHG emissions from existing and future operations, and new projects emitting. The GWP of GHGs is listed below.

- Carbon dioxide (CO₂) has a GWP of 1, regardless of the period used, because it is the gas being used as the reference. CO₂ will last for thousands of years in the atmosphere.
- Methane (CH₄) has a GWP of 27 to 36 over 100 years, and an atmospheric lifespan of 10 to 12 years on average, which is much less time than CO₂. However, CH₄ absorbs much more energy than CO₂ and is therefore a more potent GHG.
- Nitrous oxide (N₂O) has a GWP of 275 to 290 over a 100-year timeframe.
- Chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), hydrochlorofluorocarbons (HCFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆) have GWPs ranging from less than 100 to over 10,000.

Emissions of GHGs are typically expressed in terms of “metric tons of CO₂ equivalent” (MTCO₂e). Emissions of non-CO₂ GHGs are converted to CO₂e using the GWP values for each GHG. The GWP allows for direct comparison between GHGs.

3.3.8.3 Existing Project-Area GHGs

The City prepared a community wide GHG inventory in 2005, which was updated in 2016. The latest data show that overall, the City emitted 428,563 MTCO₂e in 2016. This represents an approximate nine percent reduction in GHG emissions over the 11-year period from the original 2005 inventory. Due to regulations implemented in 2013, industrial emission sources are no longer regulated by the City and as a result, were removed from both the original 2005 inventory and the 2016 update to the GHG inventory to ensure a consistent methodology over time. Therefore, the 2016 GHG inventory reflects sources including transportation, energy, waste, and municipal sources but omits emission sources regulated by BAAQMD.

3.3.9 Regulatory Context

This section discusses air quality and climate change legislation, regulations, orders, and policies adopted by federal, California, and regional government agencies relevant to the proposed Project.

3.3.9.1 Federal Air Quality Provisions

3.3.9.1.1 Federal Clean Air Act

The federal Clean Air Act (FCAA) of 1970 (see 42 United States Code 7401 et seq., as amended in 1977 and 1990) is the federal law that regulates air emissions from area, stationary, and mobile sources. The CAA authorizes the EPA to set primary and secondary NAAQS to protect human

health and the environment and requires states to develop state implementation plans to achieve attainment of the standards by specified dates. As discussed above, NAAQS have been established for ozone, carbon monoxide, nitrous oxide, sulfur dioxide, PM_{2.5}, PM₁₀, and lead. In 2007, the Supreme Court of the United States ruled that carbon dioxide should be defined as an air pollutant under the CAA and that the EPA has authority to regulate GHG emissions. The EPA began regulating GHG emissions from stationary industrial sources under the New Source Review permitting program in 2010. Under authority granted by the FCAA, EPA has developed regulatory programs for CAPs, HAPs, and GHGs.

3.3.9.2 Federal Greenhouse Gas Provisions

3.3.9.2.1 Paris Climate Agreement

The Paris Climate Agreement was adopted by most world nations in 2015 to take action on climate change and reduce, reverse, and/or eliminate its adverse impacts. The agreement essentially superseded the Kyoto Protocol that had been adopted in 1997 at the Conference of the Parties in Kyoto, Japan. The Paris Climate Agreement includes commitments from adopting countries to reduce GHG emissions. The United States committed to the agreement but withdrew due to action by the Trump Administration in 2020. The United States recommitted to the Paris Climate Agreement under the Biden Administration in 2021.

3.3.9.2.2 National Climate Task Force

In 2021, the Biden Administration convened the National Climate Task Force through an Executive Order (EO) to take action on climate change. The Task Force consists of representatives from over 20 federal agencies and offices to encourage collaboration across the government and work to effectively achieve the following goals:

- Reduce United States GHG emissions 50 to 52 percent below 2005 levels by 2030
- Achieve 100 percent carbon pollution-free electricity by 2035
- Achieve a net-zero emissions economy by 2050
- Deliver 40 percent of the benefits from federal investments in climate and clean energy to disadvantaged communities

3.3.9.3 State of California Air Quality Provisions

3.3.9.3.1 Criteria Air Pollutants

The CAA delegates regulation of air pollution control and enforcement of the NAAQS to the states. In California, air quality management and regulation has been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB, which became part of the California Environmental Protection Agency (CalEPA) in 1991, is responsible for ensuring implementation of the CCAA of 1988, responding to the CAA, and regulating emissions from motor vehicles and consumer products.

CARB has established the CAAQS, which are generally more restrictive than the NAAQS. The CAAQS describe adverse conditions, meaning that pollution levels must be below these standards before an air basin can attain the standard. Air quality is considered in “attainment” if pollutant levels are continuously below the CAAQS and do not violate the standards more than once each year. The CAAQS for ozone, CO, SO₂ (one-hour and 24-hour), NO₂, PM₁₀, PM_{2.5}, and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded. The NAAQS and CAAQS are presented in Table 3.3-2.

3.3.9.3.2 Toxic Air Contaminants/Hazardous Air Pollutants

The State Air Toxics Program was established in 1983 and included a definition and list of TACs. The TAC list identifies more than 700 pollutants, of which carcinogenic and non-carcinogenic toxicity criteria have been established for a subset of these pollutants pursuant to the California Health and Safety Code. The State list of TACs includes the federally designated HAPs.

In 1987, the Legislature enacted the Air Toxics “Hot Spots” Information and Assessment Act of 1987 (AB 2588) to address public concern over the release of TACs into the atmosphere. AB 2588 requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hot spots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over five years. TAC emissions from individual facilities are quantified and prioritized. “High priority” facilities are required to perform an HRA, and, if specific thresholds are exceeded, the facility is required to communicate the results to the public in the form of notices and public meetings.

3.3.9.3.3 California Health and Safety Code Section 41700

Health and Safety Code Section 41700 states: “Except as otherwise provided in Section 41705, a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any of those persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property.” Section 41700 also applies to sources of objectionable odors, and the language of Section 41700 is incorporated into BAAQMD Regulation 7 (“Odors”) as the basis for requiring odor abatement for nuisance odor sources (see Section 3.3.6 Nuisance Odors, above).

3.3.9.3.4 State of California Greenhouse Gas Provisions

The statewide GHG emissions regulatory framework is summarized below. California has adopted numerous climate change initiatives, enacted legislation, implemented executive orders (EOs), and has set GHG reduction goals through numerous legislative and regulatory actions. The following describes how the legislation, regulations, and other plans and policies would directly or indirectly reduce GHG emissions and/or address climate change issues. The following discussion does not include an exhaustive list of applicable regulations; rather, only the most prominent and applicable California legislation related to GHG emissions and climate change is included below.

3.3.9.3.5 State Climate Change Targets

California has taken several actions to address climate change, including EOs, legislation, and CARB plans and requirements, which are summarized below.

3.3.9.4 Executive Order S-3-05

EO S-3-05 (June 2005) established California's GHG emissions reduction targets and laid out responsibilities among the State agencies for implementing the EO and for reporting on progress toward the targets. The EO established the following targets:

- By 2010, reduce GHG emissions to 2000 levels
- By 2020, reduce GHG emissions to 1990 levels
- By 2050, reduce GHG emissions to 80 percent below 1990 levels

EO S-3-05 also directed CalEPA to report biannually on progress made toward meeting the GHG targets and the impacts to California due to global warming, including impacts to water supply, public health, agriculture, the coastline, and forestry. The Climate Action Team was formed, which subsequently issued reports from 2006 to 2010.

3.3.9.5 Assembly Bill 32

To help reach the goals established in EO S-3-05, the Legislature enacted Assembly Bill 32 (AB 32), commonly referred to as the California Global Warming Solutions Act of 2006. AB 32 provided initial direction on creating a comprehensive, multi-year program to limit California's GHG emissions to 1990 levels by 2020 and initiate the transformations required to achieve the State's long-range climate objectives. AB 32 also required that the CARB prepare a "scoping plan" for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020. The CARB's Scoping Plan is described in further detail below.

3.3.9.6 Executive Order B-30-15

EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 set an interim target goal of reducing GHG emissions to 40 percent below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80 percent below 1990 levels by 2050 as set forth in EO S-3-05. To facilitate achieving this goal, EO B-30-15 called for an update to the CARB's Climate Change Scoping Plan: A Framework for Change (Scoping Plan) to express the 2030 target in terms of million metric tons (MMT) CO₂e. The CARB's Scoping Plan is discussed in further detail below. The EO also called for State agencies to continue to develop and implement GHG emission reduction programs in support of the reduction targets.

3.3.9.7 Senate Bill (SB) 32 and Assembly Bill (AB) 197

SB 32 and AB 197 (enacted in 2016) are companion bills. SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40 percent below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three

members of the Assembly, to provide ongoing oversight over implementation of the State’s climate policies. AB 197 also added two members of the Legislature to the Board as non-voting members; requires CARB to make available and update (at least annually via the CARB’s website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and requires CARB to identify specific information for GHG emissions reduction measures when updating the Scoping Plan.

3.3.9.8 CARB’s Climate Change Scoping Plan

AB 32 requires CARB to prepare and update every five years a scoping plan detailing the approach California will take to reduce statewide emissions of GHGs. The first Scoping Plan was approved by CARB in 2008 and was intended to help California reduce GHG emissions to 1990 levels by 2020. In May 2014 CARB approved the first update to the Scoping Plan (the “2013 Scoping Plan”).

CARB adopted the next update to the Climate Change Scoping Plan in December 2017. The update identified how the State can achieve the 2030 target to reduce GHG emissions by 40 percent from 1990 levels and make substantial advances toward the 2050 goal to reduce GHG emissions by 80 percent below 1990 levels.

The most recent update was approved by CARB in December 2022 and retitled to be the “2022 Scoping Plan for Achieving Carbon Neutrality.” This plan takes the significant step of adding carbon neutrality as a science-based guide for California’s climate change work. The plan outlines how carbon neutrality can be achieved by taking bold steps to reduce GHGs to meet emissions targets and by expanding actions to capture and store carbon through the state’s natural and working lands using a variety of mechanical approaches.

3.3.9.9 CARB’s Regulations for Mandatory Reporting of GHG Emissions

CARB’s Regulation for the Mandatory Reporting of GHG Emissions (17 CCR 95100–95157) incorporated by reference certain requirements that the EPA promulgated in its Final Rule on Mandatory Reporting of GHGs (40 Code of Federal Regulations Part 98). In general, entities subject to the Mandatory Reporting Regulation that emit more than 10,000 MTCO₂e per year are required to report annual GHGs through the California Electronic GHG Reporting Tool. Certain sectors, such as refineries and cement plants, are required to report regardless of emission levels. Entities that emit more than the 25,000 MTCO₂e per year threshold are required to have their GHG emission report verified by a CARB-accredited third party.

3.3.9.10 Senate Bill 1383

Senate Bill 1383 (Lara, Chapter 395, Statutes of 2016) established targets for the reduction of short-lived climate pollutants (SLCP) by reducing the quantity of organic waste being disposed of in landfills and required the California Department of Resources Recycling and Recovery (CalRecycle) to adopt regulations designed to reduce statewide landfill disposal of organic waste. Short-lived climate pollutants are warming compounds that stay in the atmosphere for a shorter period of time than carbon dioxide, including methane and black carbon particles. The decomposition of organic waste in landfills produces GHG emissions, primarily methane, so diverting organic waste from landfilling reduces methane emissions.

3.3.9.11 Senate Bill 97

Senate Bill 97 required that by 2009, the Office of Planning and Research prepare, develop, and distribute to the California Resources Agency guidelines for agencies to feasibly mitigate GHG emissions or their effects as required by CEQA. In 2010, the California Resources Agency adopted amendments to the State Statute and CEQA Guidelines for feasible mitigation of greenhouse gas emissions and its effects. These guidelines allow lead agencies to determine the quantitative or qualitative thresholds of significance for the evaluation and mitigation of GHG and climate change impacts.

3.3.9.12 Low Carbon Fuel Standard

The Low Carbon Fuel Standard (LCFS) was intended to encourage production and use of lower-carbon and renewable alternative transportation fuels in California to reduce GHG emissions and decrease dependence on petroleum-derived fuels used by the transportation sector. The LCFS uses various market mechanisms to incentivize the introduction of lower carbon fuels. The regulation establishes annual performance standards, known as “benchmarks,” that decline over time and allows the market to determine the mix of fuels that would be used to meet the benchmarks. Low carbon fuels below the benchmark generate credits, while fuels above the carbon intensity benchmark generate deficits.

3.3.9.13 Local Air Quality Provisions

3.3.9.13.1 Bay Area Air Quality Management District

The BAAQMD is responsible for regulating stationary sources of air pollution within the nine counties that surround San Francisco Bay: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, southwestern Solano, and southern Sonoma counties. This area of BAAQMD jurisdiction is known as the San Francisco Bay Area Air Basin (SFBAAB). The BAAQMD Board of Directors has the duty to adopt air pollution regulations for the Air District.

3.3.9.13.2 Regional Air Quality Plans

The BAAQMD prepares and updates air quality plans to achieve CAAQS and NAAQS, comply with State and national air quality planning requirements, and maintain healthy air in the Bay Area. Air quality plans identify potential control measures and strategies, including rules and regulations that could be implemented to reduce air pollutant emissions from industrial facilities, commercial processes, on- and off-road motor vehicles, and other sources. The BAAQMD implements these strategies primarily through its rules and regulations.

3.3.9.13.3 2017 Bay Area Clean Air Plan

The 2017 Bay Area Clean Air Plan provides a regional strategy to protect public health and the climate. To protect public health, the plan describes how the BAAQMD will continue progress toward attaining all CAAQS and NAAQS and eliminating health risk disparities from exposure to air pollution among Bay Area communities. To protect the climate, the plan defines a vision for transitioning the region to a post-carbon-based fuel economy needed to achieve GHG reduction targets for 2030 and 2050 and provides a regional climate protection strategy that will help the Bay

Area achieve the GHG reduction targets. The 2017 Plan includes a wide range of control measures designed to decrease emissions of the air pollutants that are most harmful to Bay Area residents, such as PM₁₀, PM_{2.5}, ozone, TACs, CH₄ and other GHGs that are potent climate impact pollutants.

3.3.9.14 BAAQMD Regulations

Regulation 1 General Provisions & Definitions

Rule 1-301 Public Nuisance Standards

All proposed project emissions sources are subject to Regulation 1-301 (Public Nuisance), which prohibits discharge of air contaminants resulting in public nuisance.

Regulation 2 Permits

Rule 2 New Source Review

Rule 2-2-301 Best Available Control Technology (BACT) Requirement

Per Regulation 2-2-301.1, BACT is triggered for a District BACT pollutant if a new source has a potential to emit (PTE) 10.0 or more pounds per day of that pollutant. BACT is a source and pollutant-specific requirement.

Rule 2-2-302 Offset Requirements, Precursor Organic Compounds and Nitrogen Oxides

Regulation 2-2-302 requires offsets for NO_x and POC emission increases from any new or modified source if the post-project, facility-wide PTE of that pollutant will be more than 10 tpy. If the facility emits or has a potential to emit more than 35 tpy of POC or NO_x emissions then the facility must offset the emissions increase for POC or NO_x at a ratio of 1.15:1. If the facility emits or has a potential to emit more than 10 tpy but less than 35 tpy of NO_x or POC, then offsets must be provided at a 1:1 ratio.

Rule 2-2-303 Offset Requirements, PM_{2.5}, PM₁₀ and Sulfur Dioxide

Regulation 2-2-303 requires offsets for PM_{2.5}, PM₁₀, and SO₂ for emission increases from any new or modified source if the post-project, facility-wide PTE of that pollutant will be 100 tpy or more and if the un-offset cumulative increase in emissions of that pollutant at the facility and any related sources since the baseline date (April 5, 1991 for PM₁₀ and SO₂ and since August 31, 2016 for PM_{2.5}) exceeds 1 tpy.

Rule 2-2-308 NAAQS Protection Requirement

This regulation prohibits the BAAQMD from issuing an Authority to Construct (ATC) for a new or modified source that will result in a significant net increase in emissions of any pollutant for which a National Ambient Air Quality Standard (NAAQS) has been established unless the District determines, based upon a demonstration submitted by the Applicant, that such increase will not cause or contribute to an exceedance of any NAAQS for that pollutant.

Rule 2-2-404 Publication of Notice and Opportunity for Public Comment

This regulation requires a notice to be published stating the preliminary permitting decision of the BAAQMD and inviting written public comment on it. This regulation also allows the public an opportunity to request a public hearing. The provisions of this regulation are triggered for (i) a new major facility or a major modification of an existing major facility; (ii) any new facility, or a modification of any existing facility, that will involve an increase in emissions of CO, NO_x, SO₂, PM₁₀, PM_{2.5}, VOC, or lead in an amount that is significant as defined in Regulation 2-2-227.2; or (iii) a Prevention of Significant Deterioration (PSD) Project.

Rule 2-2-405 Public Inspection

This requirement is triggered for an application for an ATC that is subject to the public notice and comment requirements of Regulation 2-2-404. The provisions of this regulation are triggered for (i) a new major facility or a major modification of an existing major facility; (ii) any new facility, or a modification of any existing facility, that will involve an increase in emissions of CO, NO_x, SO₂, PM₁₀, PM_{2.5}, VOC, or lead in an amount that is significant as defined in Regulation 2-2-227.2; or (iii) a PSD Project. This regulation requires the BAAQMD to make available to the public the information submitted by the Applicant, the preliminary decision to grant or deny the ATC including any proposed conditions, and any other relevant information on which the BAAQMD's preliminary decision is based. The regulation also requires any such information to be transmitted, upon request, to the CARB and EPA Region IX.

Regulation 2, Rule 5, New Source Review of TAC

A new source or a modified source of TAC requiring an ATC/Permit to Operation (PTO) is subject to Regulation 2-5. Pursuant to Regulation 2-5, all TAC emissions from new and modified sources are subject to health risk assessment (HRA) if the emissions of any individual TAC exceed either the acute or chronic emission thresholds defined in Regulation 2-5, Table 2-5-1.

Regulation 3 Fees

BAAQMD Regulation 3 establishes the fees that are required to be paid with applications for ATC and PTO. Regulation 3-302 requires a filing fee of \$593 per source. Also, an initial fee, risk assessment fee, permit to operate fee, and toxic surcharge fee specified in the appropriate fee schedule applicable to the source must be paid with the filing fee.

Regulation 6 General Requirements Particulate Matter-- Common Definitions and Test Methods

Rule 1 General Requirements

Rule 6-1-401 requires the operator to have the means to monitor visual emissions of particulate matter from the operation. Most particulate emissions from these sources will occur during active, staffed operation of the sources, so emissions will be always visible to equipment operators and will be addressed by them if they occur.

Rule 6 Prohibition of Trackout

The proposed Project will be constructed at a site that is considered a large construction site, as defined in Regulation 6-6-208, because the total land area covered by construction activities, bulk material handling operations and disturbed surfaces is greater than one (1) acre. Therefore, the site is subject to Regulation 6-6.

Regulation 7 Odorous Substances

This regulation places general limitations on odorous substances and specific emission limitations on certain odorous compounds. However, the limitations of this regulation are not applicable until the BAAQMD receives odor complaints from ten or more complainants within a 90-day period, alleging that a facility has caused odors perceived at or beyond the property line of such person and deemed to be objectionable by the complainants in the normal course of their work, travel, or residence.

Regulation 8 Organic Compounds

Rule 2, Miscellaneous Operations

Miscellaneous operations include any operation other than those limited by the other rules of Regulation 8, the rules of Regulation 10, Regulation 12-12, or limited by compliance with Regulation 13-5-301.

Rule 8, Wastewater Collection and Separation Systems

The facility Wastewater Treatment Plant is expected to be subject to Regulation 8-8.

Rule 10, Process Vessel Depressurization

The proposed Project is a hydrogen manufacturing plant, classified under NAICS code 325120, and is therefore a chemical plant as defined in Regulation 8-10-201. Regulation 8-10 applies to all process vessels with a volume of 100 cubic feet or more used in a continuous process operation at chemical plants and refineries. Process vessels may not be opened until they are completely emptied of their contents in accordance with this rule. All off-spec gases, and vessels emptied during start up, shutdown and upset conditions will be vented to a ground-level flare.

Rule 18, Equipment Leaks or Regulation 8, Rule 22, Valves and Flanges at Chemical Plants

The proposed Project is a hydrogen manufacturing plant, classified under NAICS code 325120 and SIC code 281399005. Therefore, it is a chemical plant as defined in regulations 8-18-203 and 8-22-207. Fugitive sources (Equipment and Piping Components) will be subject to either Regulation 8-18 or Regulation 8-22 depending upon the total count of valves. If a facility includes 100 or more valves (excluding commercial natural gas service and low vapor pressure liquids), it will be subject to Regulation 8-18. Otherwise, it will be subject to Regulation 8-22.

Rule 28, Episodic Releases from Pressure Relief Devices at Refineries and Chemical Plants

The proposed Project is a hydrogen manufacturing plant, classified under NAICS code 325120. Therefore, it is a chemical plant as defined in Regulation 8-28-201. Pressure relief devices at chemical plants are subject to this regulation, except pressure relief devices on storage tanks (Regulation 8-28-112) and pressure relief devices that exclusively handle organic compounds exhibiting a 10 percent evaporation point greater than 150 degrees Celsius (302 degrees Fahrenheit) when using ASTM D-86 and/or inorganic compounds not listed in Regulation 8-28-401.5 (Regulation 8-28-111).

Regulation 9 Inorganic Gaseous Pollutants

Rule 1, Sulfur Dioxide

Rule 9-1-301 limits the ground level concentrations of SO₂ to 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes, or 0.05 ppm averaged over 24 hours. Per Regulation 9-1-501 area monitoring to demonstrate compliance with the ground level SO₂ concentration is at the discretion of the BAAQMD.

Rule 2, Hydrogen Sulfide

Regulation 9-2-301 limits the ground level concentration of hydrogen sulfide (H₂S) during any 24-hour period to 0.06 ppm averaged over 3 minutes or 0.03 ppm averaged over 60 minutes. H₂S is identified by its characteristic rotten egg smell and can be detected by its odor at concentrations as low as 0.0005 parts per million per volume (ppmv). H₂S emissions are usually detected by smell well before the concentrations approach the limits in Regulation 9-2-301. H₂S is usually produced from decomposition of organic matter in reducing atmosphere or anaerobic conditions.

Rule 7, NO_x and CO from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters

Regulation 9-7-307.5 limits emissions of NO_x to 9 ppmv, dry at 3 percent O₂ and CO to 400 ppmv, dry at 3 percent O₂ from boilers fired on gaseous fuel with a rated heat input between 20 and 75 MMBtu/hr.

Rule 8, NO_x and CO from Stationary Internal Combustion Engines

This rule limits the emissions of nitrogen oxides and carbon monoxide from stationary internal combustion engines with an output rated by the manufacturer at more than 50 brake horsepower.

Regulation 11 Hazardous Pollutants

Rule 10, Hexavalent Chromium Emissions from All Cooling Towers and Total Hydrocarbon Emissions from Refinery Cooling Towers

This rule prohibits operation of any cooling tower that uses hexavalent chromium chemicals.

3.3.9.15 Local Greenhouse Gas Provisions

3.3.9.15.1 City of Pittsburg Sustainability Plan

The Pittsburg Sustainability Plan is a living document designed to engage, excite, and empower the community to take incremental steps towards a healthier, more sustainable future. The plan is the City's first step towards reducing GHG emissions and establishing practices the community can implement that are practical and result in real, positive change. The primary focus of the plan is to create a more sustainable, equitable, and healthy city, while maintaining a strong economy and reducing emissions to support California's climate goals.

The plan defines sustainability as meeting the needs of the present without compromising the ability of future generations to meet their need, and it is supported by three primary pillars: economic viability, environmental protection, and social responsibility. The plan established a framework for the community to work together to create positive change, with sustainability and GHG emission reductions at its core.

3.3.9.15.2 Contra Costa County Conservation & Development

The Climate Action Plan is the Contra Costa County's (County's) strategic approach to reduce greenhouse gas (GHG) emissions from sources throughout the unincorporated area. The Climate Action Plan reflects the County's programs and actions to decrease energy use, improve energy efficiency, develop renewable energy, reduce vehicle miles traveled (VMT), increase multi-modal travel options, expand green infrastructure, reduce waste, and improve the efficiency of government operations. The CAP also forecasts the County's GHG emissions and sets reduction targets and strategies.

The County is updating its most recent, 2015 Climate Action Plan, and has developed Interim Climate Action Work Plans (2021-2022 Interim Climate Action Work Plan and 2023-- 2024 Interim Climate Action Work Plan) and prepared a 2022 Progress Report updating progress on these interim measures.

3.3.9.15.3 City of Pittsburg, California Greenhouse Gas Emissions Inventory

In 2019, the City completed an inventory of GHG emissions for data year 2016 from sources (municipal facilities, operations, community as a whole) within the City boundaries. A previous inventory was completed in 2008 for 2005. The inventory was to be used to understand where the highest GHG emissions in Pittsburg originate and where the greatest opportunities for emissions reductions exist.

In April 2022, the City issued the Notice of Preparation for the General Plan Environmental Impact Report (2040 Pittsburg General Plan Update). Upon adoption, the 2040 General Plan will replace the City's existing 2020 General Plan which was adopted in 2001. A Notice of Completion was issued December 12, 2023 for public review. Included in the 2040 Plan Project Objectives is "conserving natural resources; and addressing environmental effects, including methods to adapt to the effects of a changing climate and sea level rise". The CEQA review topics of GHGs, climate change, and energy will be addressed in the EIR, and include a GHG emissions analysis using the BAAQMD's methodology and thresholds for evaluating a project's GHG emissions. The General Plan EIR

addresses the potential for the 2040 General Plan to conflict with an existing adopted plan or other regulations to reduce GHG emissions. This section of the General Plan EIR addresses anticipated energy consumption associated with buildout of the 2040 General Plan, and proposed or potential energy conservation measures.

Due to regulations implemented in 2013, industrial emission sources are no longer regulated by the City and as a result, were removed from both the original 2005 inventory and the 2016 update to the GHG inventory for data consistency across time. Therefore, the 2016 GHG inventory reflects sources including transportation, energy, waste, and municipal sources but omits emission sources regulated by BAAQMD.

3.3.10 Impacts And Mitigation Measures

This section describes the standards of significance and methodology used to analyze and determine the proposed Project's potential impacts related to air quality and GHG emissions. A discussion of the proposed Project's impacts, and mitigation measures where necessary, is also presented.

This section describes how Chapter 3 of the BAAQMD CEQA Air Quality Guidelines ("Thresholds of Significance") lays out the framework for analyzing a proposed Project to determine if it will result in any significant adverse impact on the environment, either by itself, or when considered cumulatively with other projects.

3.3.10.1 Standards of Significance – 2023 State CEQA Statute and Guidelines

Based on BAAQMD recommendations, City standards, and consistent with Appendix G of the BAAQMD CEQA Air Quality and GHG Guidelines, the proposed Project would result in a significant impact related to CAP, TAC, and GHG emissions if the proposed Project would result in any of the following:

- Conflict with or obstruct implementation of the applicable air quality plan
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)
- Expose sensitive receptors to substantial pollutant concentrations (including localized CO concentrations and TAC emissions)
- Result in other emissions (such as those leading to odors) affecting a substantial number of people
- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment
- Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs

3.3.10.2 Criteria Air Pollutants – BAAQMD CEQA Air Quality Guidelines

The BAAQMD CEQA Air Quality Guidelines contain nonbinding recommendations intended to assist lead agencies in evaluating the potential impacts of a proposed Project. Chapter 5 (“Project-Level Air Quality Impacts”) presents guidance on how to conduct an air quality analysis for a project. The analysis should conduct the necessary evaluations to determine if the proposed Project will result in any significant adverse impacts on the environment, whether considered individually, or cumulatively. The first step is to evaluate if the proposed Project would have any significant impact by itself. The next step is to evaluate if the project may contribute to a significant impact when cumulatively considered with other past, present, and foreseeable future projects that also contribute to the same impact.

The Guidelines establish thresholds of significance for CAPs, local health risks and hazards, accidental releases of acutely hazardous TACs/HAPs, and odors. Table 3.3-5, below, taken from the Guidelines provides the air quality thresholds of significance for projects.

Table 3.3-5: BAAQMD CEQA Air Quality Guidelines-- Air Quality Thresholds of Significance (Project Level)

	Construction-Related (1)	Operational	
Criteria Air Pollutants and Precursors (Reg.)			
Pollutant	Avg. Daily Emissions (lb/day)	Avg. Daily Emissions (lb/day)	Max. Annual Emissions (ton/yr)
ROG	54	54	10
NO _x	54	54	10
PM ₁₀	82 (exhaust)	82	15
PM _{2.5}	54 (exhaust)	54	10
PM ₁₀ /PM _{2.5} (fugitive dust)	Best Management Practices (2)	None	
Local CO	None		
Local Risks and Hazards			
Risk and hazards for new sources and receptors (cumulative threshold)	Same as operational thresholds	<u>Cancer Risk</u> : > 100/million (from all local sources) <u>Non-cancer Risk</u> : > 10.0 Hazard Index (chronic, from all local sources) <u>PM_{2.5}</u> : 0.08 µg/m ³ annual average (from all local sources)	<i>OR</i> Compliance with Qualified Community Risk Reduction Plan
Risk and hazards for new sources and receptors (individual project)	Same as operational thresholds	<u>Increased Cancer Risk</u> : > 10.0/million <u>Increased Non-cancer Risk</u> : > 1.0 Hazard Index (chronic or acute) <u>PM_{2.5}</u> increase: 0.3 µg/m ³ annual average	<i>OR</i> Compliance with Qualified Community Risk Reduction Plan
Accidental Release of Acutely Hazardous Air Pollutants			

Table 3.3-5: BAAQMD CEQA Air Quality Guidelines-- Air Quality Thresholds of Significance (Project Level)

	Construction-Related (1)	Operational
	None	Storage or use of acutely hazardous materials locating near receptors or new receptors or used acutely hazardous materials considered significant
Odors		
	None	Five confirmed complaints per year averaged over 3 years
<p>Notes: $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter; CO = carbon monoxide; lb/day = pounds per day; NO_x = oxides of nitrogen; $\text{PM}_{2.5}$ = fine particulate matter with an aerodynamic resistance diameter of 2.5 micrometers or less; PM_{10} = respirable particulate matter with an aerodynamic resistance diameter of 10 micrometers or less; ppm = parts per million; ROG = reactive organic gases; TACs = toxic air contaminants; tpy = tons per year; VMT = vehicle miles traveled.</p> <p>The air quality project-level thresholds of significance were adopted by the Air District's Board of Directors on June 2, 2010.</p> <p>(1) The Air District recommends for construction projects that require less than one year to complete, lead agencies should annualize impacts over the scope of actual days that peak impacts would occur rather than over the full year. Additionally, for phased projects that results in concurrent construction and operational emissions. Construction-related exhaust emissions should be combined with operational emissions for all phases where construction and operations overlap.</p> <p>(2) $\text{PM}_{10}/\text{PM}_{2.5}$ (fugitive dust) is also recognized to impact local communities. The Air District strongly recommends implementing all feasible fugitive dust management practices especially when construction projects are located near sensitive communities, including schools, residential areas, or other sensitive land uses.</p>		

3.3.10.3 Local Carbon Monoxide – BAAQMD CEQA Air Quality Guidelines

To provide a conservative indication of whether a project would result in localized CO emissions that would exceed the applicable threshold of significance, the BAAQMD has established screening criteria for localized CO emissions to determine if the CO impacts are significant. If a detailed analysis of a project indicates that localized CO emissions could exceed the 1-hour and 8-hour CAAQS of 20.0 parts per million (ppm) and 9.0 ppm, respectively, the BAAQMD would consider the project to result in a significant impact to air quality. However, according to the BAAQMD screening criteria, a project would result in a less-than-significant impact related to local CO emission concentrations if all the following criteria are met:

- The proposed Project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, regional transportation plan, and local congestion management agency plans
- The proposed project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour
- The proposed project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, or underpass)

3.3.10.4 TAC Emissions – BAAQMD CEQA Air Quality Guidelines

According to the BAAQMD CEQA Air Quality Guidelines, a significant impact related to TACs would occur if a project would cause any of the following:

- An increase in cancer risk levels of more than 6 persons in one million
- A non-cancer (chronic or acute) hazard index greater than 1.0
- An annual average $PM_{2.5}$ concentration of 0.3 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) or greater

A cumulative impact associated with TACs would also occur if the aggregate total of all past, present, and foreseeable future sources within a 1,000-foot radius from the fence line of a source, or from the location of a receptor, plus the contribution from the proposed Project, would exceed the following:

- An increase in cancer risk levels (from all local sources) of more than 100 persons in one million
- A chronic non-cancer hazard index (from all local sources) greater than 10.0
- An annual average $PM_{2.5}$ concentrations (from all local sources) of 0.8 $\mu\text{g}/\text{m}^3$ or greater

3.3.10.5 Health Risk Assessment

An HRA evaluates the potential public health effects from TAC emissions generated by construction and operation of the proposed Project. TACs are compounds designated by the California's Environmental Protection Agency's (Cal/EPA) Office of Health Hazard Assessment (OEHHA) as known or suspected to cause adverse health effects after short-term (acute) or long-term (chronic) exposure. In addition to naming certain chemicals as TACs, OEHHA also provides information that allows the prediction of health impacts associated with the public's potential exposure to TACs. This information is used in an HRA as described in this section to estimate the potential public health impacts resulting from TAC emissions from the proposed Project.

The determination of health risks in this HRA required calculation of average exposures to chemicals depending on the type of health impact being analyzed. Cancer risks are based on the evaluation of a 30-year exposure for residents, and a 25-year exposure for workers. Conservative annual emission rates during proposed project construction and operation were used to calculate cancer risk and chronic non-cancer effects. Maximum 1-hour emission rates were used to determine the acute hazard index (HI) because the acute HI is based on an exposure period of 1 hour.

Since BAAQMD prescribes CEQA significance thresholds for $PM_{2.5}$ emissions, impacts of $PM_{2.5}$ emissions from proposed project construction and operation were also evaluated.

The first step in the HRA process is to calculate emissions of TACs and $PM_{2.5}$. CalEEMod and MOVES 3.0 models were used to estimate emissions from mobile sources, such as vehicles and off-road equipment. Emissions from stationary sources were estimated using methods, equations, or default emission factors approved by CARB, BAAQMD, or EPA. Offsite concentrations of TACs and $PM_{2.5}$ emissions were then calculated using EPA's AERMOD air dispersion modeling program. Site-specific factors impacting the transport of pollutants in the atmosphere (e.g., meteorological conditions, site configuration, emission release characteristics, surrounding terrain) are used in the

dispersion model. Then, health risks in terms of cancer risk and hazard indices were estimated using the modeled concentrations of TACs and CARB's Hot Spots Analysis and Reporting Program (HARP2) model, in accordance with BAAQMD's Air Toxics Control Programs HRA Guidelines (December 2021) and Appendix E of the BAAQMD 2023 CEQA Guidelines.

Cancer risk and chronic hazard index were evaluated for residential and off-site worker receptors and the maximally exposed individual resident (MEIR), and the maximally exposed individual worker (MEIW) were identified. For acute hazard index the point of maximum impact was identified. Student risks at schools were not evaluated as there are no K-12 schools within 1,000 feet of the project site. The closest school is Martin Luther King Junior High School, located about 1.44 miles southwest of the project site.

The resulting cancer risks, chronic hazard index (CHI), acute hazard index (AHI) and annual average $PM_{2.5}$ concentration as described above, are compared to the BAAQMD CEQA thresholds to determine whether the impact is significant.

3.3.10.6 GHG Emissions - BAAQMD CEQA Air Quality Guidelines

3.3.10.6.1 Stationary Sources of GHG Emissions – Thresholds of Significance

The 2022 BAAQMD CEQA Air Quality Guidelines applicability is a bright-line generation threshold of 10,000 MTCO₂e per year. A project with stationary source GHG emissions less than 10,000 MTCO₂e has less-than-significant impact related to GHG emissions. If operational greenhouse gas emissions are greater than 10,000 MTCO₂e, the project would have a significant impact from GHG emissions.

Construction emissions are temporary and variable, and as a result, the BAAQMD has not developed quantitative thresholds of significance for construction related GHG emissions. Regardless, this EIR includes an estimate of GHG emissions from proposed project construction activities. The BAAQMD recommends that, even though there are no thresholds of significance for construction-related GHG emissions, projects should incorporate the “Best Management Practices for Construction-Related Fugitive Dust Emissions” in Table 5-2 and “Best Management Practices for Construction-Related GHG Emissions” in Table 6-1 of the BAAQMD CEQA Air Quality Guidelines to reduce construction-related GHG emissions.

3.3.10.6.2 Stationary Sources of GHG Emissions – Cumulative Thresholds of Significance

Global climate changes are cumulative in their impacts. This means that GHG emissions from millions of sources around the world together create significant climate impacts. The effects of future projects and GHG emissions will contribute further to the negative impacts of global climate change. And although the GHG emissions from any individual project or source are not likely to cause any detectable climate change on a global basis, they will contribute to the significant cumulative impact caused by the historical and future projects and GHG emissions. This EIR will determine if the greenhouse gas emissions from the proposed Project are cumulatively considerable. Cumulatively considerable means that the incremental effect of the specific project under review will be significant

when viewed in the context of the overall cumulative problem (State Statute and CEQA Guidelines Section 21803[b][2]).

3.3.10.6.3 GHG Emissions - Method of Impact Analysis

A numerical comparison of estimated project-related emissions to the thresholds discussed above allows determination of the significance of potential impacts to air quality and climate change resulting from the proposed Project. Emissions from the proposed Project exceeding the applicable thresholds could significantly affect regional air quality and attainment of the CAAQS and NAAQS. Where potentially significant air quality impacts are identified, mitigation measures are described that would reduce or eliminate the impact.

3.3.10.6.4 Construction and Operations Emissions

CAP, TAC, and GHG emissions from construction, motor vehicles, and heavy equipment, were estimated using the California Emissions Estimator Model (CalEEMod) software (version 2020.4.0). This is a statewide model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify air quality emissions, including GHG emissions, from land use projects. The model applies inherent default values for various land uses, including construction data, trip generation rates, vehicle mix, trip length, average speed, compliance with the CBSC. Where project-specific information is available, it was used in the model.

Construction emissions estimates were compared against the applicable thresholds of significance to determine the associated level of impact. All CalEEMod results are included in Appendix B.

CAP and TAC emissions from proposed project stationary source operations were calculated using approved CARB, BAAQMD and EPA methods. Mobile source emissions were calculated using CalEEMod. These estimates and supporting calculations are included in the BAAQMD permit application submitted by HC (Contra Costa), LLC (Applicant). Operational emission estimates were compared against the applicable thresholds of significance to determine the associated level of impact. The emission estimates are included in Appendix B.

3.3.11 Project-Specific Impacts and Mitigation Measures

The following impact discussion is based on the proposed Project's implementation compared with the significance standards identified above.

3.3.11.1 Construction-Related Impacts

a. Would the proposed Project conflict with or obstruct implementation of the applicable air quality plan during project construction. (AQ-C1)

No. During proposed project construction, several types of heavy equipment and vehicles would temporarily operate on the project site. CAP, TAC, and GHG emissions during the construction period would be generated from construction equipment, demolition, site preparation (fugitive dust including PM₁₀ and P_{2.5}), underground and aboveground construction activities, worker commutes,

and material deliveries. These activities would involve the use of diesel- and gasoline-powered equipment that would generate emissions.

The BAAQMD recommends implementing the “Basic Best Management Practices for Construction-Related Fugitive Dust Emissions” provided in the BAAQMD CEQA Air Quality Guidelines (Table 5-2) and the “Enhanced Best Management Practices for Construction-Related Fugitive Dust Emissions” in Table 5-3 of the Guidelines. The BAAQMD also recommends incorporating the “Best Management Practices for Construction-Related GHG Emissions” in Table 6-1 of the Guidelines. The proposed Project would result in maximum unmitigated construction criteria air pollutant emissions as shown in Table 3.3-6.

Table 3.3-6: Maximum Unmitigated Construction Emissions (lb/day)

Pollutant	Project Construction Emissions	Threshold of Significance	Exceeds Threshold?
ROG	17.6	54	NO
NO _x	14.7	54	NO
PM ₁₀ (exhaust)	0.52	82	NO
PM _{2.5} (exhaust)	0.48	54	NO
GHG	5,572 ⁽¹⁾	N/A	N/A

*Note (1): Total GHG emissions estimated for proposed project construction are 1,275 MTCO₂e.
N/A = Not applicable*

While no mitigation would be required, all heavy-duty diesel equipment will meet the requirements of CARB and EPA Tiers based on their horsepower resulting in actual emissions lower than the unmitigated quantities.

Significance Level: Less than significant. No mitigation required.

b. Would the proposed Project expose sensitive receptors to substantial pollutant concentrations during project construction. (AQ-C2)

No. Construction-related activities would result in the generation of CAPs, TACs (specifically DPM), and GHGs, but at less than significant levels. Emissions would occur from on-road haul trucks, off-road heavy-duty diesel equipment used for site grading, paving, utility trenching, steel erection, and other construction activities. See discussion below.

Significance Level: Less than significant. No mitigation required.

3.3.11.2 Construction TAC Emissions Health Risk Assessment

TAC emissions from construction of a project include exhaust emissions from diesel-powered and gasoline-powered vehicles and heavy off-road equipment. Exhaust particulate matter emissions from diesel-fueled engines are modeled as diesel particulate matter, which is considered a TAC. Emissions from gasoline-powered worker cars and light duty trucks contain TACs such as benzene,

ethylbenzene, toluene, xylene, etc. Health risk from these TACs and PM_{2.5} emissions were evaluated using the methodology summarized above.

The detailed results of the air dispersion modeling and risk analysis for proposed project construction are included in Appendix B and the health impacts from proposed project construction are summarized in Table 3.3-7, below. As shown in the figures, the maximally exposed individual residential receptor is southwest of the project site. The maximally exposed individual worker receptor is located west of the project site.

Table 3.3-7: Maximum Mitigated Cancer Risk, Hazard Index, and PM_{2.5} from Construction DPM Emissions

	Cancer Risk (per million persons)	Acute Hazard Index	Chronic Hazard Index	PM _{2.5} (µg/m ³ annual average)
Result at Maximally Exposed Individual Residential Receptor	0.659	0.0002	NA	NA
Result at Maximally Exposed Individual Worker Receptor	3.25	0.0150	NA	NA
Result at Point of Maximum Impact	NA	NA	0.011	0.098
Threshold of Significance	6.0	1.0	1.0	0.3
Exceeds Threshold?	NO	NO	NO	NO
<i>Sources: AERMOD and HARP 2</i>				

Health risks from TACs are a function of the concentration of emissions and the duration of exposure. As shown in Table 3.3-7, emissions related to proposed project construction would result in health impacts below the respective thresholds of significance.

Significance Level: Less than significant. No mitigation required.

3.3.11.3 Operational Impacts

a. Would the proposed Project conflict with or obstruct implementation of the applicable air quality plan during project operation. (AQ-O1)

Potentially, without mitigation. During the proposed Project's operation, emissions would be generated from processing equipment, off-road heavy equipment, material delivery, product shipment and transport, and worker commute trips. These activities would involve the use of natural gas, diesel, and gasoline fuel that would generate emissions of CAPs including ROG, NOX, and PM₁₀ and PM_{2.5}, and TAC missions including DPM.

Before starting construction, the proposed Project must obtain an ATC/PTO from the BAAQMD. In processing the ATC/PTO application, the BAAQMD will review all stationary source emissions calculations and identify all applicable regulations and rules. As shown in Table 3.3-8, the ATC/PTO

would impose conditions to ensure that the proposed Project does not exceed maximum permitted emissions levels.

Table 3.3-8: Maximum Unmitigated Operational Source Emissions (lb/day)

Pollutant	Stationary Project Emissions		Mobile Project Emissions		Threshold of Significance		Exceeds Threshold?
	lb/day	ton/yr	lb/day	ton/yr	lb/day	ton/yr	
ROG	183.1	33.4	0.9	0.2	54	10	YES
NO _x	535.3	97.7	4.9	0.9	54	10	YES
PM ₁₀	107.7	19.7	0.2	0.03	82	15	YES
PM _{2.5}	49.3	9.0	0.2	0.03	54	10	NO
GHG	N/A	36,768 (metric)	N/A	9,996 (metric)	N/A	10,000 (metric)	YES

lb/day = pounds per day
N/A = not applicable
ton/yr = tons per year

As shown in the table, unmitigated Emissions of PM_{2.5} would be below the BAAQMD’s thresholds of significance, and the impact would be less than significant. Also as shown, unmitigated operational emissions of ROG, NO_x, and PM₁₀ would be above the BAAQMD’s specific thresholds of significance, and the impact would be significant.

GHG emissions of 36,768 MTCO_{2e} per year are above the 10,000 MTCO_{2e} threshold of significance, and therefore the impact would be significant.

Mitigation Measure AQ-O1a: To mitigate the potential for a significant impact from operational ROG, NO_x, and PM₁₀ emissions, BAAQMD-approved emissions abatement equipment will be installed.

Mitigation Measure AQ-O1b: To reduce GHG emissions, the land use project design elements as specified in the BAAQMD CEQA Air Quality Guidelines (Table 3.3-9) will be implemented. In addition, Project Feedstock Design Feature incorporating the avoidance of landfill emissions with feedstock selection will offset the annual GHG emissions such that the emissions increase will be less than the 10,000 MTCO_{2e} threshold. This measure is described in detail in Table 3.3-10 below.

Table 3.3-9: Land Use Project Design Elements - Buildings

1.a)	The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).
1.b)	The project will not result in any wasteful, inefficient, or unnecessary energy use as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.

Table 3.3-10: Mitigated Operational Source Emissions (lb/day)

Pollutant	Stationary Project Emissions		Mobile Project Emissions		Threshold of Significance		Exceeds Threshold?
	lb/day	ton/yr	lb/day	ton/yr	lb/day	ton/yr	
ROG	52.8	9.6	0.9	0.2	54	10	NO
NO _x	26.5	4.8	4.9	0.9	54	10	NO
PM ₁₀	8.5	1.6	0.2	0.03	82	15	NO
PM _{2.5}	8.1	1.5	0.2	0.03	54	10	NO
GHG	N/A	4,075 (metric)	N/A	See Stationary Emissions for Total	N/A	10,000 (metric)	NO

lb/day = pounds per day
N/A = not applicable
ton/yr = tons per year

Mitigated ROG, NO_x, PM₁₀, and PM_{2.5} emissions are below the thresholds of significance and require no additional mitigation. Therefore, the impact from ROG, NO_x, PM₁₀, and PM_{2.5} would be less than significant with mitigation.

With implementation of the Project Feedstock Design Feature as described in impact AQ-5 below, operational GHG emissions will be reduced to a level such that the impact would be less than significant with mitigation. Implementation of **Mitigation Measures AQ-O1a and AQ-O1b**, BAAQMD approval conditions and Applicant proposed project design measures, would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than significant with mitigation incorporated.

b. Would the proposed Project expose sensitive receptors to substantial pollutant concentrations during project operation. (AQ-O2)

No. Operations-related activities would result in the generation of CO, CAPs, TACs, and GHGs, but at less than significant levels. Emissions will occur from processing equipment, on-road motor vehicles, and off-road heavy-duty diesel equipment. See discussion below.

3.3.11.4 Localized CO Emissions

Localized concentrations of CO are related to the levels of traffic and congestion along streets and at intersections. Concentrations of CO approaching the AAQS are only expected where background levels are high, and traffic volumes and congestion levels are also high. Implementation of the proposed Project would increase traffic volumes on streets near the project site, and therefore, the proposed Project would be expected to increase local CO concentrations.

The statewide CO Protocol document “Transportation Project-Level Carbon Monoxide Protocol (Revised December 1997)” identifies signalized intersections operating at level of service (LOS) E or F, or projects that would result in the worsening of signalized intersections to LOS E or F, as

having the potential for emissions to result in localized CO concentrations exceeding the AAQS. This is primarily the result of many motor vehicles idling at stop lights.

To provide a conservative indication of whether a project would result in localized CO emissions that would exceed the applicable threshold of significance, the BAAQMD has established screening criteria for determining if a project could cause any given intersection to be a potential CO hotspot. According to BAAQMD, a project would result in a less-than-significant impact related to localized CO emission concentrations if all the following conditions are true for the project:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, regional transportation plan, and local congestion management agency plans.

The Contra Costa Transportation Authority (CCTA) is the applicable Congestion Management Agency for the proposed Project. As discussed in Chapter 3.16, Transportation and Traffic, implementation of the proposed Project would not conflict with applicable CCTA guidance and is therefore consistent with the Congestion Management Program. It can also be noted that the SFBAAB has been in attainment of CAAQS and NAAQS for CO for more than 20 years. Considering this, plus advances in vehicle emissions technologies, the likelihood that any single project would create a CO hotspot is minimal.

- The proposed project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.
- The proposed project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, or underpass).

Based on data provided in the Transportation Impact Assessment (Appendix C) prepared for the proposed Project, the maximum traffic volume anticipated at any affected intersection would not reach 44,000 vehicles per hour. In addition, development of the proposed Project would not result in the increase of traffic volumes beyond 24,000 vehicles per hour at any intersection where vertical and/or horizontal mixing is substantially limited. Therefore, based on the BAAQMD's screening criteria for localized CO emissions, the proposed Project would not be expected to result in substantial levels of localized CO at surrounding intersections or generate localized concentrations of CO that would exceed standards or cause health hazards.

3.3.11.5 Operations TAC Emissions Health Risk Assessment

For the proposed Project's operation phase, this HRA evaluated all stationary sources of TACs and PM_{2.5}, including those that are subject to and those that are exempt from BAAQMD air permit requirements. In addition, the HRA also evaluated mobile sources such as off-road equipment, on-road mobile and idling trucks and passenger cars. Health risk from these TACs and PM_{2.5} emissions were evaluated using the methodology summarized above.

The detailed results of the air dispersion modeling and risk analysis are included in Appendix B. MEIR, MEIW, and particulate matter index (PMI) for project operation are included in Appendix B and the health impacts from proposed project operation are summarized in Table 3.3-11. As shown in the figures, the maximally exposed individual residential receptor is located southeast of the project site. The maximally exposed individual worker receptors are located west of the project site.

Table 3.3-11: Maximum Mitigated Cancer Risk and Hazard Index from Operations TAC Emissions

	Cancer Risk (per million persons)	Acute Hazard Index	Chronic Hazard Index	PM _{2.5} (µg/m ³ annual average)
Result at Maximally Exposed Individual Residential Receptor	0.481	0.0021	N/A	N/A
Result at Maximally Exposed Individual Worker Receptor	1.93	0.1129	N/A	N/A
Result at Point of Maximum Impact	N/A	N/A	0.638	0.274
Threshold of Significance	6.0	1.0	1.0	0.3
Exceeds Threshold?	NO	NO	NO	NO
<i>Sources: AERMOD and HARP 2</i>				

TAC emissions from proposed stationary source operations do not exceed the applicable thresholds for cancer risk, acute hazard index, and chronic hazard index, and the impact would be less than significant.

Significance Level: Less than significant. No mitigation required.

3.3.11.6 Construction and Operational Impacts

c. Would the proposed Project result in other emissions (such as those leading to odors) affecting a substantial number of people. (AQ-3)

No. Pollutants of principal concern include emissions leading to odors, emission of dust, or emissions considered to constitute CAPs or TACs. CAPs and TACs are discussed in impacts AQ-1 and AQ-2 above. Therefore, the following discussion focuses on emissions of dust and odors.

3.3.11.6.1 Dust

For a project to have a less-than-significant impact related to construction-related fugitive dust, it must implement all the BAAQMD’s “Best Management Practices for Construction-Related Fugitive Dust Emissions” as provided in Table 5-2 of the BAAQMD CEQA Air Quality Guidelines and presented in Table 3.3-12:

Table 3.3-12: Best Management Practices for Construction-Related Fugitive Dust Emissions

BMP ID	Basic Best Management Practice
B-1	All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
B-2	All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
B-3	All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
B-4	All vehicle speeds on unpaved roads shall be limited to 15 mph.
B-5	All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
B-6	All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph.
B-7	All trucks and equipment, including their tires, shall be washed off prior to leaving the site.
B-8	Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of wood chips, mulch, or gravel.
B-9	Publicly visible signs shall be posted with the telephone number and name of the person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.

In addition to the mitigation measures described in Table 3.3-12, projects are strongly encouraged to implement the enhanced best management practices in Table 5-3 of the BAAQMD CEQA Air Quality Guidelines and presented in Table 3.3-13 to control fugitive dust emissions. These enhanced measures are especially important when there are schools, residential areas, or other sensitive land uses located near the construction site.

Table 3.3-13: Enhanced Best Management Practices for Construction-Related Fugitive Dust Emissions

EBMP ID	Enhanced Best Management Practice
E-1	Limit the simultaneous occurrence of excavation, grading, and ground-disturbing construction activities.
E-2	Install wind breaks (e.g., trees, fences) on the windward side(s) of actively disturbed areas of construction. Wind breaks should have at maximum 50 percent air porosity.
E-3	Plant vegetative ground cover (e.g., fast-germinating native grass seed) in disturbed areas as soon as possible and watered appropriately until vegetation is established.
E-4	Install sandbags or other erosion control measures to prevent silt runoff to public roadways from sites with a slope greater than one percent.
E-5	Minimize the amount of excavated material or waste materials stored at the site.
E-6	Hydroseed or apply non-toxic soil stabilizers to construction areas, including previously graded areas, that are inactive for at least 10 calendar days.

Implementation of these best management practices (BMPs) will ensure that construction of the proposed Project does not result in substantial emissions of dust. Following proposed project construction, the development area would be paved or landscaped and would not include any exposed topsoil. Therefore, proposed project operations would not generate any dust that would adversely affect the local population.

3.3.11.6.2 Odors

Nuisance odors are also discussed in Section 3.3.6. The BAAQMD CEQA Air Quality Guidelines note that the ability to detect odors varies considerably among the population and can be subjective. Reactions to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The presence of an odor impact is dependent on a number of variables including the nature of the odor source, the frequency of odor generation, the intensity of odor, the distance of odor source to sensitive receptors, wind direction; and sensitivity of the receptor. Typical odor-generating land uses include domestic wastewater treatment plants, landfills, and composting facilities.

Construction activities often include diesel-fueled equipment and heavy-duty trucks which could create odors associated with diesel fumes. These odors may be considered objectionable. However, construction activities would be temporary, and hours of operation for construction equipment would be restricted to the hours of 8:00 AM and 5:00 PM Monday through Friday per City of Pittsburg Municipal Code Section 18.82.040. Project construction would also be required to comply with all applicable BAAQMD rules and regulations, particularly associated with permitting of air pollutant sources. These regulations would help to minimize emissions, including those leading to odors. Accordingly, substantial objectionable odors would not be expected to occur during construction activities.

Furthermore, the BAAQMD regulates objectionable odors through Regulation 7, Odorous Substances, which do not become applicable until the Air Pollution Control Officer (APCO) receives odor complaints from ten or more complainants within a 90-day period. Once triggered, Regulation 7 places general limitations on odorous substances and specific emission limitations on certain odorous compounds. These limitations remain effective until no citizen complaints are received by the APCO for one year. The limits of Regulation 7 become applicable again when the APCO receives odor complaints from five or more complainants within a 90-day period. Although not anticipated, if odor complaints are made after the proposed Project is developed, the BAAQMD would ensure that mitigation of such odors is addressed, and any potential odor effects are minimized or eliminated.

Project operations have the potential to generate odors. The primary odor sources are:

- Feedstock Preparation Building
- Wet Feedstock Storage Silo
- Dryer
- Dried Feedstock Storage Silo

The waste handling and receiving building would be operated under negative pressure through fans to prevent air from leaving through the bay doors. Air flow through the fans would be tied into the

air egress systems of the enclosed conveyor system and wet and dry storage silos. Captured air would be routed through emissions control equipment, as required by the air permit issued by the BAAQMD. As a result, odor sources at the facility are expected to be adequately controlled in compliance with BAAQMD Regulation 7.

Based on the reasons discussed above, construction and operation of the proposed Project would not result in emissions (such as those leading to odors) adversely affecting many people, and the impact would be less than significant.

Significance Level: Less than significant. No mitigation required.

d. Would the proposed Project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or State ambient air quality standard. (AQ-4)

No. As shown in Table 3.3-14, the SFBAAB is considered in non-attainment for ozone, PM₁₀, and PM_{2.5}. Construction and operation of the proposed Project would cause emissions of ozone precursor pollutants (ROG and NO_x), PM₁₀, and PM_{2.5} that would contribute to the cumulative regional air quality setting. This section discusses the proposed Project's operational emissions contribution to the cumulative increase in the SFBAAB. According to BAAQMD CEQA Guidelines, construction activities result in one-time, relatively short-term emissions, and are generally not considered to contribute to cumulative emissions.

3.3.11.7 Cumulative Impacts of Nonattainment Pollutant Emission

BAAQMD CEQA Air Quality Guidelines Appendix E contains thresholds of significance for air pollutants emitted from a new project, and for cumulative exposures that include emissions from a new project plus emissions from existing sources. The goal of the thresholds is to ensure that no source creates a significant adverse impact from any individual project and that the total exposure from all nearby sources does not result in a significant adverse impact. If a project exceeds the identified project-level significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts. Table 3.3-14 shows the pollutants for which California is in nonattainment status.

Table 3.3-14: California NAAQS and CAAQS Nonattainment Pollutants

Pollutant	Averaging Time	California AAQS	Attainment Status	Federal Primary AAQS	Attainment Status
Ozone (O ₃)	1 Hour	0.09 ppm	Nonattainment	--	--
	8 Hour	0.070 ppm	Nonattainment	0.070 ppm	Nonattainment
Respirable Particulate Matter (PM ₁₀)	24 Hour	50 µg/m ³	Nonattainment	150 µg/m ³	unclassified
	Annual Mean	20 µg/m ³	Nonattainment	--	--
	24 Hour	--	--	35 µg/m ³	Nonattainment

Table 3.3-14: California NAAQS and CAAQS Nonattainment Pollutants

Pollutant	Averaging Time	California AAQS	Attainment Status	Federal Primary AAQS	Attainment Status
Fine Particulate Matter (PM _{2.5})	Annual Mean	12 µg/m ³	Nonattainment	12 µg/m ³	Attainment
<p><i>ppm = parts per million</i> <i>ppb = parts per billion</i> <i>µg/m³ = micrograms per cubic meter</i> <i>Source: California Air Resources Board (CARB). Ambient Air Quality Standards. May 4, 2016. Available at: https://ww2.arb.ca.gov/sites/default/files/2020-07/aqs2.pdf Accessed October 2023.</i> <i>Source: Bay Area Air Quality Management District (BAAQMD). Ambient Air Quality Standards and Attainment Status. 2023. Available at: https://www.baaqmd.gov/about-air-quality/research-and-data/air-quality-standards-and-attainment-status Accessed October 2023.</i></p>					

Operational emissions of nonattainment pollutants are shown in Table 3.3-15.

Table 3.3-15: Mitigated Operational Emissions of Nonattainment Criteria Air Pollutants

Pollutant	Emissions (avg. lb/day)	Threshold of Significance (avg. lb/day)	Exceed Threshold
Ozone (O ₃) precursors: ROG NO _x	ROG = 53.7 NO _x = 31.4	ROG = 54 NO _x = 54	ROG = NO NO _x = NO
Respirable Particulate Matter (PM ₁₀)	8.7	82	NO
Fine Particulate Matter (PM _{2.5})	8.3	54	NO

3.3.11.8 Cumulative Health Risk Analysis

In accordance with BAAQMD CEQA guidelines, a cumulative HRA was conducted for cancer risk and chronic hazard index at maximally exposed residential and worker receptors created by the proposed Project and at point of maximum impact for PM_{2.5} concentration. The assessment requires identification of all existing and near future stationary and mobile sources (roadways and railways) within 1,000 feet of the project boundary and aggregation of health impacts (cancer risk, chronic hazard index, PM_{2.5} cumulative impact) from these sources with the proposed Project's health impacts. BAAQMD's Stationary Source Screening Maps and Mobile Source Screening Maps were used to identify sources within 1,000 feet of the proposed project's property boundary. Health risks values of identified sources were also obtained from these screening maps. The health risks provided in the screening maps are overly conservative. If more reliable sources of health risk information were available, then those were used in lieu of the screening health risk values. Distances of MEIR,

MEIW, and PMI due to the proposed Project from these sources were estimated and decay factors were applied to the health risk values for individual stationary sources or facilities identified within 1,000 feet of the project boundary. These adjusted health risk values were added to the health risk values from mobile sources and from the proposed Project at MEIR and MEIW for cancer risk and CHI and at PMI for PM_{2.5}.

The AQ-4 cumulative HRA discussion in this section (Tables 3.3-16 and 3.3-17) is limited to the non-attainment pollutant PM_{2.5}. Cancer risk and chronic hazard index, along with details of the complete HRA process may be found in Appendix B.

Table 3.3-16: Maximum Mitigated Cumulative Cancer Risk, Hazard Indices, and PM_{2.5} Concentration from Construction Emissions

	Cancer Risk (Chances per Million)	Chronic Hazard Index	PM _{2.5} (µg/m ³ Annual Average)
Result at Maximally Exposed Individual Residential Receptor	80.802	0.022	N/A
Result at Maximally Exposed Individual Worker Receptor	83.390	0.037	N/A
Result at Point of Maximum Impact	N/A	N/A	0.312
Thresholds of Significance	100.0	10.0	0.8
Exceed Thresholds?	NO	NO	NO

Table 3.3-17: Maximum Mitigated Cumulative Cancer Risk, Hazard Indices, and PM_{2.5} Concentration from Operation Emissions

	Cancer Risk (Chances per Million)	Chronic Hazard Index	PM _{2.5} (µg/m ³ Annual Average)
Result at Maximally Exposed Individual Residential Receptor	80.624	0.024	N/A
Result at Maximally Exposed Individual Worker Receptor	82.072	0.135	N/A
Result at Point of Maximum Impact	N/A	N/A	0.457
Thresholds of Significance	100.0	10.0	0.8
Exceed Thresholds?	NO	NO	NO

PM_{2.5} Emissions Concentration Modeling

PM_{2.5} emissions from mobile sources, such as offroad equipment and onroad vehicles, were estimated using CalEEMod and EMFAC emissions models. PM_{2.5} emissions from stationary sources were estimated using methods, equations, or default emission factors approved by CARB, BAAQMD, or EPA. Annual average PM_{2.5} concentrations were estimated using EPA’s AERMOD

air dispersion modeling program. Annual average $PM_{2.5}$ concentrations were modeled individually for four years of meteorological data from Dow Chemical meteorological station and the highest of maximum annual average $PM_{2.5}$ concentration out of the four years is presented in the tables above.

As shown in Table 3.3-17 above, operational emissions of non-attainment pollutants, ROG, NOX, PM_{10} , and $PM_{2.5}$, would be less than the applicable BAAQMD thresholds of significance, and the impact would be less than significant. In addition, since the emissions do not exceed the identified project-level significance thresholds, the emissions would not be cumulatively considerable.

Significance Level: Less than significant. No mitigation required.

e. Would the proposed Project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. (AQ-5)

Potentially, without mitigation. As discussed below, GHG emissions from project operations would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, GHG emissions would be less than significant, and as a result, the proposed project's incremental contribution is not cumulatively considerable, and the impact is less-than-significant with implementation of the Feedstock Project Design Feature.

3.3.11.9 Construction GHG Emissions Impacts

Construction-related GHG emissions were calculated using the CalEEMod computer model. Construction of the proposed Project would result in GHGs emissions of 1,227 MTCO₂e over the estimated 21 to 24-month construction period. The BAAQMD CEQA Air Quality Guidelines do not contain any threshold of significance for construction related GHG emissions. However, the Guidelines state that for a project to have a less-than-significant CAP impact related to construction-related fugitive dust, it must implement all the BAAQMD's "Best Management Practices for Construction-Related GHG Emissions" as provided in the BAAQMD CEQA Air Quality Guidelines and presented below in Table 3.3-18.

Mitigation Measure AQ-C2: In addition to the dust mitigation measures described above, the BAAQMD CEQA Air Quality Guidelines state that even though a numerical threshold of significance for construction-related GHG emissions has not determined, in order to minimize GHG and other air quality pollutants emissions, projects should incorporate Table 6-1 "Best Management Practices for Construction-Related GHG Emissions" in the BAAQMD CEQA Air Quality Guidelines and presented in Table 3.3-18 below.

Table 3.3-18: Best Management Practices for Construction-Related GHG Emissions

Use zero-emission and hybrid-powered equipment to the greatest extent possible, particularly if emissions are occurring near sensitive receptors or located within a BAAQMD-designated Community Air Risk Evaluation (CARE) area or Assembly Bill 617 community.
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Require all diesel-fueled off-road construction equipment be equipped with EPA Tier 4 Final compliant engines or better as a condition of contract.

Table 3.3-18: Best Management Practices for Construction-Related GHG Emissions

Require all on-road heavy-duty trucks to be zero emissions or meet the most stringent emissions standard, such as model year (MY) 2024 to 2026, as a condition of contract
Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to no more than 2 minutes (A 5-minute limit is required by the state airborne toxics control measure [Title 13, Sections 2449(d)(3) and 2485 of the California Code of Regulations]). Provide clear signage that posts this requirement for workers at the entrances to the site and develop an enforceable mechanism to monitor idling time to ensure compliance with this measure.
Prohibit off-road diesel-powered equipment from being in the “on” position for more than 10 hours per day.
Use California Air Resources Board–approved renewable diesel fuel in off-road construction equipment and on-road trucks.
Use United States Environmental Protection Agency SmartWay certified trucks for deliveries and equipment transport.
Require all construction equipment to be maintained and properly tuned in accordance with manufacturer’s specifications. Equipment should be checked by a certified mechanic and determined to be running in proper condition prior to operation.
Where grid power is available, minimize portable diesel engines and provide electrical hook ups for electric construction tools, such as saws, drills, and compressors, and use electric tools whenever feasible.
Where grid power is not available, use alternative fuels, such as propane or solar electrical power, for generators at construction sites.
Encourage and provide carpools, shuttle vans, transit passes, and/or secure bicycle parking to construction workers and offer meal options on site or shuttles to nearby meal destinations for construction employees.
Reduce electricity use in the construction office by using LED bulbs, powering off computers every day, and replacing heating and cooling units with more efficient ones.
Minimize energy used during site preparation by deconstructing existing structures to the greatest extent feasible.
Recycle, divert, or salvage nonhazardous construction and demolition debris, with a goal of recycling at least 15 percent more by weight than the diversion requirement in Title 24.
Use locally sourced or recycled materials for construction materials (goal of at least 20 percent based on costs for building materials and based on volume for roadway, parking lot, sidewalk and curb materials). Wood products used should be certified through a sustainable forestry program.
When feasible, use low-carbon concrete, and/or minimize the amount of concrete used. When feasible and if more efficient or lower emitting, produce concrete on-site instead of transporting ready-mix.
Develop a plan to efficiently use water for adequate dust control since substantial amounts of energy can be consumed during the pumping of water.
Include all requirements in applicable bid documents, purchase orders, and contracts, with successful contractors demonstrating the ability to supply the compliant on- or off-road construction equipment for use prior to any ground-disturbing and construction activities

In addition to the mitigation measures described in Table 3.3-18, projects are strongly encouraged to implement enhanced best management practices to control fugitive dust emissions. These enhanced measures are especially important when there are schools, residential areas, or other sensitive land uses located near the construction site and are presented in Table 3.3.19.

Table 3.3-19: Enhanced Best Management Practices for Construction-Related Fugitive Dust Emissions

EBMP ID	Enhanced Best Management Practice
E-1	Limit the simultaneous occurrence of excavation, grading, and ground-disturbing construction activities.
E-2	Install wind breaks (e.g., trees, fences) on the windward side(s) of actively disturbed areas of construction. Wind breaks should have at maximum 50 percent air porosity.
E-3	Plant vegetative ground cover (e.g., fast-germinating native grass seed) in disturbed areas as soon as possible and watered appropriately until vegetation is established.
E-4	Install sandbags or other erosion control measures to prevent silt runoff to public roadways from sites with a slope greater than one percent.
E-5	Minimize the amount of excavated material or waste materials stored at the site.
E-6	Hydroseed or apply non-toxic soil stabilizers to construction areas, including previously graded areas, that are inactive for at least 10 calendar days.

3.3.11.10 Operations GHG Emissions Impacts

Operation of the proposed Project would generate GHG emissions from stationary and mobile sources. Operations-related mobile source GHG emissions were calculated using the CalEEMod computer model. Stationary source GHG emissions were calculated using standard, approved CARB, BAAQMD and EPA methodologies. GHG emissions generated by indirect sources, such as those from purchased electricity, purchased water for process operations, and electricity consumption for purchase off-site wastewater treatment services, are included. The total GHG emissions exceed the 10,000 MTCO₂e threshold of significance, and therefore the impact would be significant.

Mitigation Measure AQ-O2: To mitigate the potential for a significant impact from operational GHG emissions to a less than significant level, land use project design elements per the BAAQMD CEQA Air Quality Guidelines (Table 3.3-18) will be incorporated. Also, use of a Feedstock GHG Emissions Project Design Feature will be incorporated. MSW feedstock results in significant avoided landfill methane emissions, as recognized and quantified by the California Air Resources Board (CARB) in Low-Carbon Fuel Standard (LCFS) pathways and CalRecycle in its SB1383 Article 2 Technology Determination process. The Applicant’s estimate for avoided landfill methane emissions reflects an assumed MSW feedstock composition, and this estimate has been evaluated by CalRecycle and CARB in their assessment of the Applicant’s SB1383 Article 2 application (2023). Accordingly, this feedstock selection will avoid landfill emissions, and is considered mitigation that will offset the annual operational GHG emissions.

Table 3.3-20: Land Use Project Design Elements - Buildings

1.a)	The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).
1.b)	The project will not result in any wasteful, inefficient, or unnecessary energy use as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.

Table 3.3-21: Operations Greenhouse Gas Emissions Summary

Stationary Sources	CO ₂ (tons/yr)	CH ₄ (tons/yr)	N ₂ O (tons/yr)	CO _{2e} (tons/yr)
S-25 Solid Residue Melter & Refiner Natural Gas Burners	2,757	0.05	0.005	2,760
S-36 Flare	336	0.006	0.0006	337
S-40 Boiler	28,985	0.91	0.14	29,050
S-75 Emergency Diesel-fired ICE Generator	47.8	0.0019	3.74E-04	47.9
S-80 Emergency Diesel-fired ICE Fire Water Pump	5.00	0.0002	3.92E-05	5.02
Fugitive Equipment	--	--	--	328.42
On-road and off-road mobile sources	9,962	0.40	0.08	1,655
Indirect Emissions	--	--	--	3,315
Total	36,710	1.38	0.31	37,498
Project Feedstock GHG Emissions Design Feature	--	--	--	(33,423)
Total Mitigated GHG Operational Emissions				4,075

Considering implementation of the Land Use Project Design Element for Buildings and the Project Feedstock GHG Emissions Design Feature to offset the annual GHG emissions to below the 10,000 MTCO_{2e} significance threshold, the impact would be less than significant with mitigation. Implementation of **Mitigation Measures AQ-O2** and **AQ-C2**, in addition to BAAQMD approval conditions and Applicant proposed project design measures, would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than significant with mitigation incorporated.

3.3.12 References

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3.4 BIOLOGICAL RESOURCES

3.4.1 Introduction

This section addresses the potential impacts of the proposed Project on existing natural resources during proposed project construction and operation. A site assessment, including a thorough review of natural resources data sets and field survey, was performed to evaluate the proposed Project and surrounding environs for the possible presence of special-status species and sensitive habitats subject to federal or state jurisdiction. For this assessment, guidelines and key sources of data reviewed include the following:

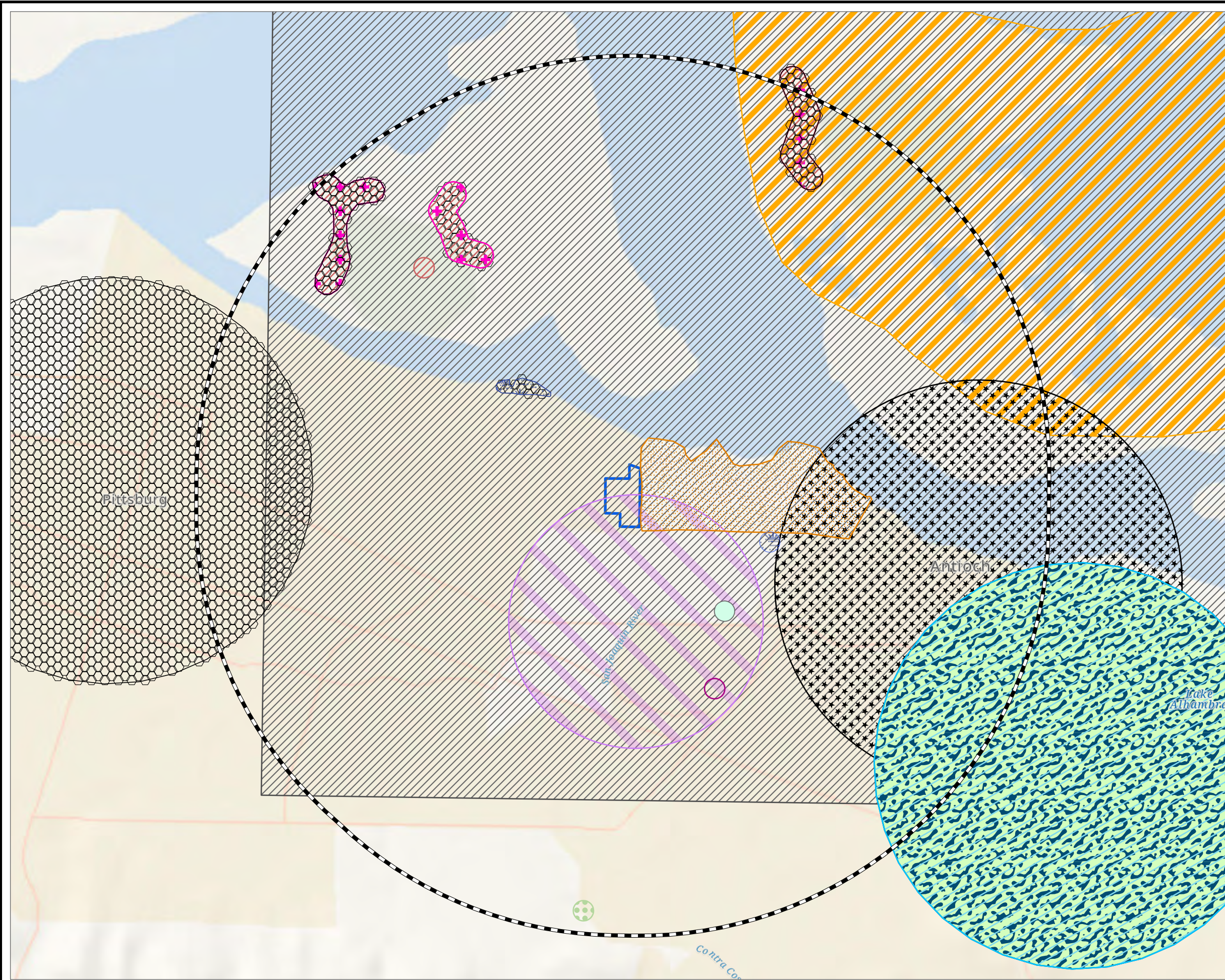
- Biological Technical Memorandum for H Cycle Project dated October 2023 (TRC 2023a; Appendix D.1 of this EIR)
- Wetland and Waterbody Delineation Report dated October 2023 (TRC 2023b; Appendix D.2 of this EIR)
- Federal and state-listed endangered and threatened species
- Federal designated critical habitats
- State designated sensitive natural communities
- Federal and state candidates for listing
- Species proposed for listing
- State species of special concern
- Species protected under other regulations (e.g., the Migratory Bird Treaty Act)
- Species listed as rare or endangered by the California Native Plant Society
- Species that receive special consideration during environmental review under the California Environmental Quality Act (CEQA)

3.4.2 Existing Environmental Setting

The project site is an inactive industrial facility with rail yard constructed on historically placed fill material. The project site is developed with gravel, unpaved, and impervious work areas, rail unloading sidings, industrial process equipment, paved vehicle staging and storage lots, and office structures present. Maintained gravel and dirt access roads are present on the project site. Stormwater collection and infiltration structures are visible throughout the Study Area. An existing stormwater outfall and collection system is also present along the eastern boundary of the project site.

The project site is flat and appears to be built on historically placed fill material above the elevation of the surrounding estuarine wetlands (Google Earth Pro 2022). The biological resources assessment for the proposed Project was conducted within the Study Area, defined as the project site plus a 150-foot buffer (Figures 3.4-1 through 3.4-4). The surrounding landscape is flat with elevations of approximately 10 to 25 feet above mean sea level within and adjacent to the Study Area. Surrounding land uses include developed industrial lands to the south and west of the project site. The New York Slough, Corteva Wetlands Preserve, and Kirker Creek/Dowest Slough are estuarine wetlands immediately adjacent to the north, east, and west of the project site.

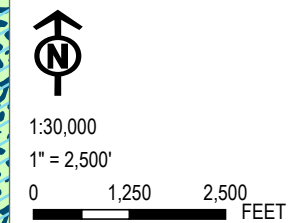
Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet, Map Rotation: 0
 - Saved By: S.RAY on 1/16/2024, 10:42:48 AM, File Path: V:\H-Cycle\506412_Pittsburg_Hydrogen\Project\5-APPX\Renewable Hydrogen Project EIR.aprx, Layout Name: CNDDDB Map - Terrestrial



- AMERICAN BUMBLE BEE
- CALIFORNIA BLACK RAIL
- CALIFORNIA RED-LEGGED FROG
- CALIFORNIA TIGER SALAMANDER - CENTRAL CALIFORNIA DPS
- CROTCH BUMBLE BEE
- LANGE'S METALMARK BUTTERFLY
- NORTHERN CALIFORNIA LEGLESS LIZARD
- SUISUN SONG SPARROW
- BURROWING OWL
- SALT-MARSH HARVEST MOUSE
- SALTMARSH COMMON YELLOWTHROAT
- SONG SPARROW ("MODESTO" POPULATION)
- WESTERN POND TURTLE
- WESTERN RED BAT
- WHITE-TAILED KITE
- 2-MILE SEARCH RADIUS
- PROJECT SITE BOUNDARY

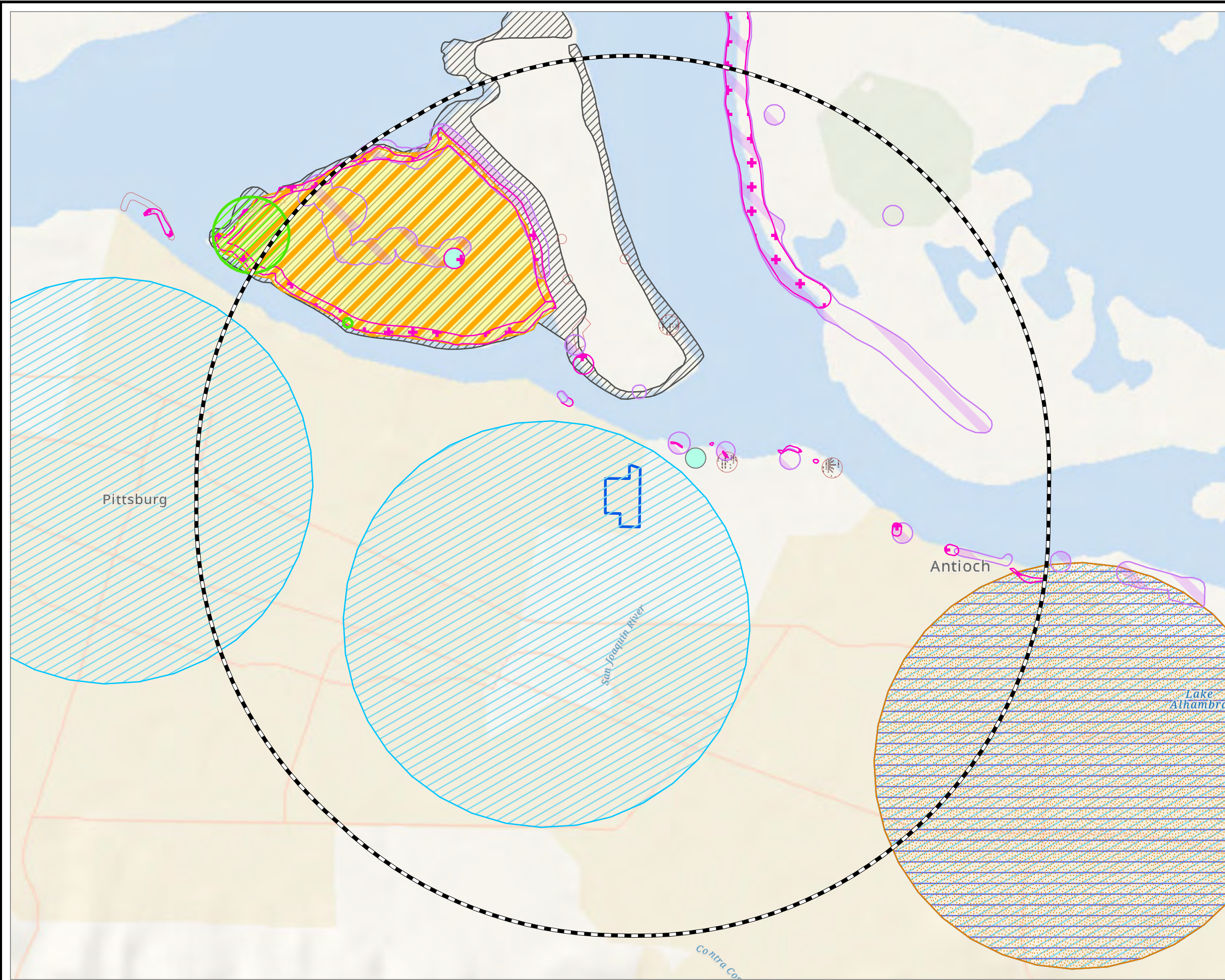
NOTES:
 EXPLANATION OF STATE AND FEDERAL LISTING CODES:
 FEDERAL LISTING CODES:
 -FE: FEDERALLY ENDANGERED SPECIES
 -FT: FEDERALLY THREATENED SPECIES
 CALIFORNIA LISTING CODES:
 -CE: STATE-LISTED AS ENDANGERED CALIFORNIA RARE PLANT RANK:
 -1B.1: RARE, THREATENED OR ENDANGERED IN CALIFORNIA AND ELSEWHERE; SERIOUSLY THREATENED IN CALIFORNIA
 -1B.2: RARE, THREATENED OR ENDANGERED IN CALIFORNIA AND ELSEWHERE; FAIRLY THREATENED IN CALIFORNIA
 -2.1: RARE, THREATENED OR ENDANGERED IN CALIFORNIA, BUT MORE COMMON ELSEWHERE; SERIOUSLY THREATENED IN CALIFORNIA
 -4.2: UNCOMMON IN CALIFORNIA; FAIRLY THREATENED IN CALIFORNIA

TERRESTRIALS INCLUDE THE FOLLOWING TAXONOMY CLASSES:
 AMPHIBIANS, BIRDS, MAMMALS, REPTILES, AND INSECTS
 DATA SOURCES: TRC, CALIFORNIA NATURAL DIVERSITY DATABASE (CNDDDB)



PROJECT:		H CYCLE PITTSBURG RENEWABLE HYDROGEN PROJECT CONTRA COSTA COUNTY, CALIFORNIA	
TITLE:		SENSITIVE SPECIES WITHIN A 2-MILE RADIUS OF THE PROJECT AREA	
DRAWN BY:	S. RAY	PROJ. NO.:	506412.0000.0000
CHECKED BY:	R. SPRING	FIGURE 3.4-1	
APPROVED BY:	P. DEMICHELE		
DATE:	JANUARY 2024		
		1850 GATEWAY BLVD, SUITE 1075 CONCORD, CA 94520 PHONE: 925.688.1200	
FILE:		Renewable Hydrogen Project EIR.aprx	

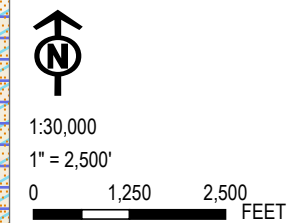
Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet, Map Rotation: 0
 - Saved By: SRAY on 7/16/2024, 10:42:48 AM, File Path: V:\H-Cycle\506412_Pittsburg_Hydrogen\Project\5-APPX\Renewable Hydrogen Project EIR.aprx, Layout Name: CNDDDB_Map - Landcover, Vegetation and Wildlife Habitats



- ANTIOCH DUNES EVENING-PRIMROSE
- BOLANDER'S WATER-HEMLOCK
- COASTAL BRACKISH MARSH
- CONTRA COSTA GOLDFIELDS
- CONTRA COSTA WALLFLOWER
- DELTA MUDWORT
- DELTA TULE PEA
- MASON'S LILAEOPSIS
- MT. DIABLO BUCKWHEAT
- SUISUN MARSH ASTER
- BIG TARPLANT
- 2-MILE SEARCH RADIUS
- PROJECT SITE BOUNDARY

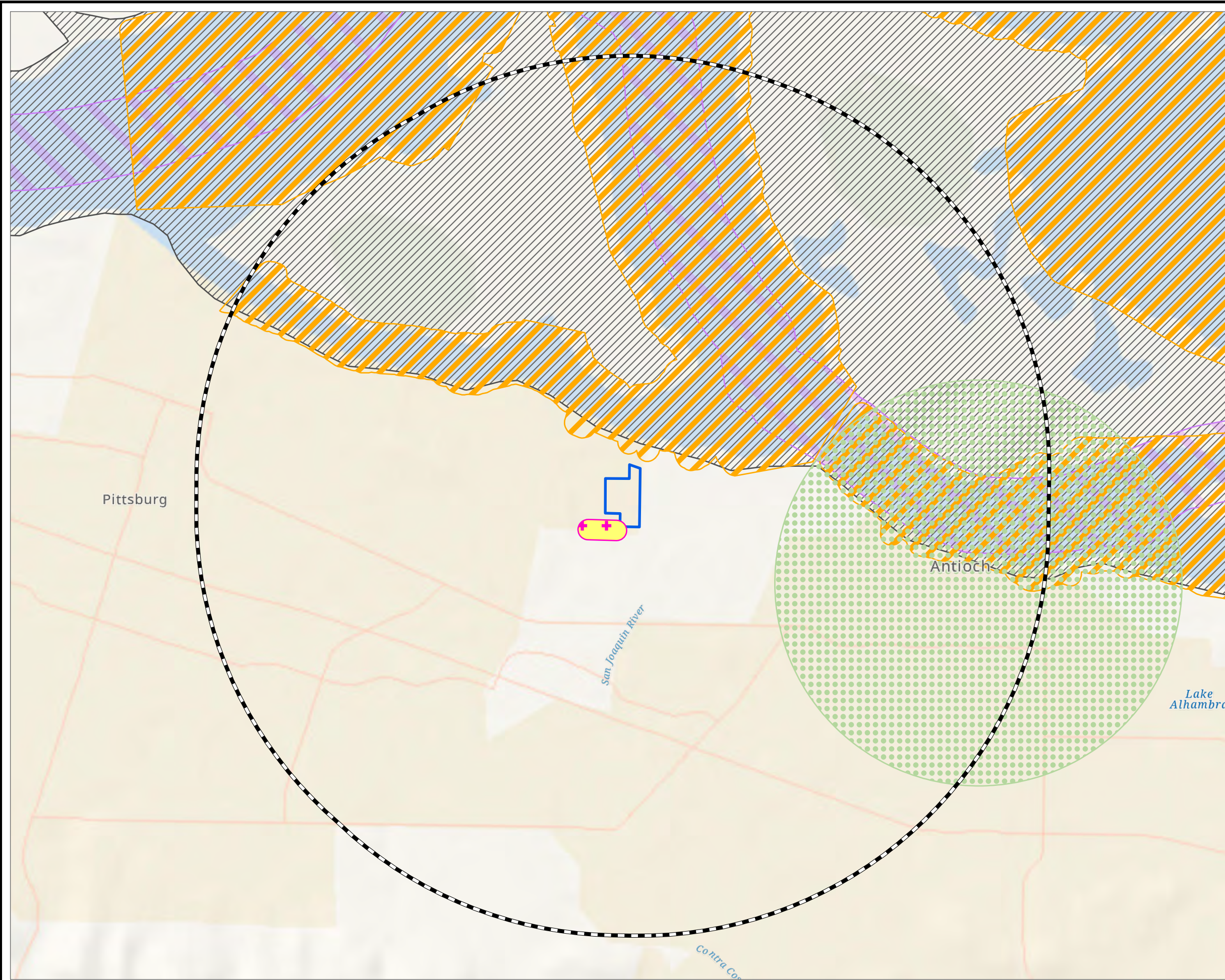
NOTES:
 EXPLANATION OF STATE AND FEDERAL LISTING CODES:
 FEDERAL LISTING CODES:
 -FE: FEDERALLY ENDANGERED SPECIES
 -FT: FEDERALLY THREATENED SPECIES
 CALIFORNIA LISTING CODES:
 -CE: STATE-LISTED AS ENDANGERED CALIFORNIA RARE PLANT RANK:
 -1B.1: RARE, THREATENED OR ENDANGERED IN CALIFORNIA AND ELSEWHERE; SERIOUSLY THREATENED IN CALIFORNIA
 -1B.2: RARE, THREATENED OR ENDANGERED IN CALIFORNIA AND ELSEWHERE; FAIRLY THREATENED IN CALIFORNIA
 -2.1: RARE, THREATENED OR ENDANGERED IN CALIFORNIA, BUT MORE COMMON ELSEWHERE; SERIOUSLY THREATENED IN CALIFORNIA
 -4.2: UNCOMMON IN CALIFORNIA; FAIRLY THREATENED IN CALIFORNIA

LANDCOVER, VEGETATION, AND WILDLIFE HABITATS INCLUDE THE FOLLOWING TAXONOMY CLASSES: DICOTS, AND MARSH
 DATA SOURCES: TRC, CALIFORNIA NATURAL DIVERSITY DATABASE (CNDDDB)



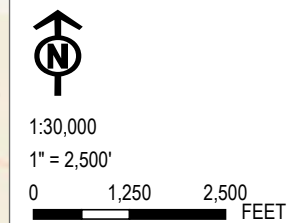
PROJECT:		H CYCLE PITTSBURG RENEWABLE HYDROGEN PROJECT CONTRA COSTA COUNTY, CALIFORNIA	
TITLE:		LAND COVER, VEGETATION, AND WILDLIFE HABITATS IN THE STUDY AREA	
DRAWN BY:	S. RAY	PROJ. NO.:	506412.0000.0000
CHECKED BY:	R. SPRING	FIGURE 3.4-2	
APPROVED BY:	P. DEMICHELE		
DATE:	JANUARY 2024		
		1850 GATEWAY BLVD, SUITE 1075 CONCORD, CA 94520 PHONE: 925.688.1200	
FILE:		Renewable Hydrogen Project EIR.aprx	

Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet, Map Rotation: 0
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- CALIFORNIA LINDERIELLA
- GREEN STURGEON - SOUTHERN DPS
- LONGFIN SMELT
- STEELHEAD - CENTRAL VALLEY DPS
- VERNAL POOL FAIRY SHRIMP
- WESTERN RIDGED MUSSEL
- 2-MILE SEARCH RADIUS
- PROJECT SITE BOUNDARY






NOTES:
 EXPLANATION OF STATE AND FEDERAL LISTING CODES:
 FEDERAL LISTING CODES:
 -FE: FEDERALLY ENDANGERED SPECIES
 -FT: FEDERALLY THREATENED SPECIES
 CALIFORNIA LISTING CODES:
 -CE: STATE-LISTED AS ENDANGERED CALIFORNIA RARE PLANT RANK:
 -1B.1: RARE, THREATENED OR ENDANGERED IN CALIFORNIA AND ELSEWHERE; SERIOUSLY THREATENED IN CALIFORNIA
 -1B.2: RARE, THREATENED OR ENDANGERED IN CALIFORNIA AND ELSEWHERE; FAIRLY THREATENED IN CALIFORNIA
 -2.1: RARE, THREATENED OR ENDANGERED IN CALIFORNIA, BUT MORE COMMON ELSEWHERE; SERIOUSLY THREATENED IN CALIFORNIA
 -4.2: UNCOMMON IN CALIFORNIA; FAIRLY THREATENED IN CALIFORNIA
 AQUATICS INCLUDE THE FOLLOWING TAXONOMY CLASSES: FISH, MOLLUSKS, AND CRUSTACEANS
 DATA SOURCES: TRC, CALIFORNIA NATURAL DIVERSITY DATABASE (CNDDDB)



PROJECT:		H CYCLE PITTSBURG RENEWABLE HYDROGEN PROJECT CONTRA COSTA COUNTY, CALIFORNIA
TITLE:		AQUATIC SPECIES IN THE STUDY AREA
DRAWN BY:	S. RAY	PROJ. NO.: 506412.0000.0000
CHECKED BY:	R. SPRING	FIGURE 3.4-3
APPROVED BY:	P. DEMICHELE	
DATE:	JANUARY 2024	
		1850 GATEWAY BLVD, SUITE 1075 CONCORD, CA 94520 PHONE: 925.688.1200
FILE:		Renewable Hydrogen Project EIR.aprx

Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet, Map Rotation: 0
- Saved By: S.RAY on 1/16/2024, 10:42:48 AM, File Path: V:\H-Cycle\506412_Pittsburg_Hydrogen\Project\5-APPX\Renewable Hydrogen Project EIR.aprx, Layout Name: NWI Map



-  150-FOOT SEARCH RADIUS
-  PROJECT SITE BOUNDARY
- WETLAND TYPE**
-  ESTUARINE AND MARINE WETLAND
-  FRESHWATER POND
-  RIVERINE

DATA SOURCES: TRC, NATIONAL WETLANDS INVENTORY (NWI).



1:2,400
1" = 200'
0 100 200 FEET

PROJECT: H CYCLE PITTSBURG RENEWABLE HYDROGEN PROJECT CONTRA COSTA COUNTY, CALIFORNIA	
TITLE: NWI WETLANDS MAP	
DRAWN BY: S. RAY	PROJ. NO.: 506412.0000.0000
CHECKED BY: R. SPRING	FIGURE 3.4-4
APPROVED BY: T. HIGGINS	
DATE: JANUARY 2024	

	1850 GATEWAY BLVD, SUITE 1075 CONCORD, CA 94520 PHONE: 925.688.1200
FILE:	Renewable Hydrogen Project EIR.aprx

The project site is within the Level III region of Central California Foothills and Coastal Mountains and Level IV Ecoregion of Suisun Terraces and Low Hills (USGS 2016). The Central California Foothills and Coastal Mountains ecoregion is characterized as having a Mediterranean climate of hot dry summers and cool moist winters. The vegetation associated with this ecoregion is primarily chaparral and oak woodlands. Suisun Terraces and Low Hills ecoregion occurs on mostly Quaternary alluvium, surrounding Suisun Bay, upland from the lower part of the Delta (EPA 2016).

3.4.2.1 Regional Setting

The San Francisco Bay Estuary is a critically important biological resource, providing winter feeding habitat for over a million migratory birds, a nursery for juvenile fish and shellfish, migratory corridors for anadromous fish and year-round habitat for diverse plants and animal species.

The estuary is typically divided into five segments: Sacramento-San Joaquin River Delta (Delta), Suisun Bay, San Pablo Bay, Central Bay and South Bay. The Delta is the easternmost, or most upstream, segment. The Delta is a 1,150-square-mile triangle-shaped region roughly bounded on the north by the city of Sacramento, on the south by the city of Tracy and on the west by Chipps Island. The Sacramento and San Joaquin Rivers and their tributaries flowing into the Delta drain about half the surface area of California and establish the extent of brackish water habitat in Suisun Bay.

Suisun Bay is a shallow estuarine bay bounded by Chipps Island on the east and the Benicia-Martinez Bridge on the west. Suisun Marsh, the largest brackish water marsh in the United States and the largest wetland in California, forms its northern boundary. Suisun Bay is connected to San Pablo Bay via the Carquinez Strait, a narrow, 12-mile-long band of water that extends from the Benicia-Martinez Bridge to Mare Island.

3.4.2.2 Biological Communities

Vegetation within the Study Area is primarily ruderal weeds and invasive species that include alkali mallow (*Malvella leprosa*), bristly oxtongue* (*Helminthotheca echioides*), Canada horseweed (*Erigeron canadensis*), fivehorn smotherweed* (*Bassia hyssopifolia*) sea fig* (*Carpobrotus chilensis*), stinkwort* (*Dittrichia graveolens*), telegraph weed (*Heterotheca grandiflora*), Mexican fan palm* (*Washingtonia robusta*) and Coyote brush (*Baccharis pilularis*). (Non-native plants are marked with an asterisk.)

A combination of native and non-native vegetation is located along and just outside of the Study Area's northern border. Native shrubs and trees include coast live oak (*Quercus agrifolia*) and coyote brush. Non-native shrubs and herbs include Himalayan blackberry* (*Rubus armeniacus*), short-podded mustard* (*Hirschfeldia incana*), and perennial pepperweed* (*Lepidium latifolium*). (* denotes invasive species)

Off-site estuarine wetlands are present within the Study Area to the north, east, and west of the project site. Because they were mostly behind fenced areas, these wetlands were observed mostly with binoculars. Off-site wetlands were comprised primarily of cattails (*Typha* sp.), common reed (*Phragmites* sp.), and bulrushes (*Schoenoplectus* sp.). At the edges of the wetlands, black willow

(*Salix goodingii*), perennial pepperweed*, salt grass (*Distichlis spicata*), and alkali mallow (*Malvella leprosa*) were observed, among other native and non-native species. (*denotes invasive species)

3.4.2.3 Special Status Species

Special-status species include the following categories of plant and animals:

- Plants or animals that are listed, candidates or proposed for listing as threatened or endangered under ESA or the California Endangered Species Act (CESA).
- Plants listed as rare under the California Native Plant Protection Act.
- Plants that meet the CEQA definition of rare or endangered, including those considered by the CNPS to be “rare, threatened, or endangered in California” (CNPS Lists 1B and 2).
- Riparian vegetation protected under the California Fish and Game Code.
- Animals fully protected under the California Fish and Game Code.
- Animal species of special concern to the California Department of Fish and Wildlife (CDFW).
- Bat species considered “red or high” and “yellow or medium” priority species by the Western Bat Working Group.

A list of special-status species with potential to occur in the Study Area was compiled from California Natural Diversity Database (CNDDDB; CDFW 2023), United States Fish & Wildlife Service (USFWS) Information for Planning and Consultation (USFWS 2023), and California Native Plant Society (CNPS 2023). The potential for each species to occur was assessed based on the species’ known distribution and habitat requirements. Species that were determined not to have potential to occur in the Study Area are not discussed further. Table 3.4-1 provides an overview of these species.

A pedestrian field survey for site reconnaissance was performed to verify the conditions of the Study Area and surrounding environment. It was an assessment to identify and characterize Study Area habitats and to document species and/or species indicators observed to be present at the time of field survey. The field survey was used to determine the Study Area’s potential to support special-status species and sensitive habitats.

Table 3.4-1: Federal and State Sensitive Species Identified as Potentially Occurring in The Study Area

Species Name	Status	Habitat Requirements	Potential for Occurrence
Plants			
Abram” lupine, <i>Lupinus albifrons var. abramsii</i>	CNPS/3.2	Broad-leafed upland forest, Chaparral, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland	None: No suitable habitat for this species exists in the project study area.
Alkali milk-vetch, <i>Astragalus tener var. tener</i>	CNPS/1B.2	Playas, Valley and foothill grassland, Vernal pools	None: No suitable habitat for this species exists in the project study area.

Table 3.4-1: Federal and State Sensitive Species Identified as Potentially Occurring in The Study Area

Species Name	Status	Habitat Requirements	Potential for Occurrence
Antioch Dunes buckwheat, <i>Eriogonum nudum var. psychicola</i>	CNPS/1B.1	Inland dunes	None: No suitable habitat for this species exists in the project study area.
Antioch Dunes evening-primrose, <i>Oenothera deltooides ssp. howellii</i>	CNPS/1B.1, FE, CE	Inland dunes	None: No suitable habitat for this species exists in the project study area.
Bearded popcornflower, <i>Plagiobothrys hystriculus</i>	CNPS/1B.1	Valley and foothill grassland, Vernal pools	None: No suitable habitat for this species exists in the project study area.
Big tarplant, <i>Blepharizonia plumosa</i>	CNPS/1B.1, CNDDDB	Valley and foothill grassland	None: No suitable habitat for this species exists in the project study area.
Bolander's water-hemlock, <i>Cicuta 3.4-8ole 3.4-8ate a var. bolanderi</i>	CNPS/2B.1, CNDDDB	Marshes and swamps	Low: No suitable habitat for this species exists on the project site; however, suitable habitat does exist on adjacent land. If industrial stormwater controls and best management practices (BMPs) are put in place, this species would not be affected by the proposed Project.
Colusa grass, <i>Neostaplia colusana</i>	FT	Vernal pools	None: No suitable habitat for this species exists in the project study area.
Contra Costa goldfields, <i>Lasthenia conjugens</i>	CNPS/1B.1, FE	Cismontane woodland, Playas, Valley and foothill grassland, Vernal pools	None: No suitable habitat for this species exists in the project study area.
Contra Costa wallflower, <i>Erysimum capitatum var. angustatum</i>	CNPS/1B.1, FE, CE	Inland dunes	None: No suitable habitat for this species exists in the project study area.
Crownscale, <i>Atriplex 3.4-8ole 3.4-8ate a var. coronata</i>	CNPS/4.2	Inhabits chenopod scrub, valley and foothill grassland, and vernal pools.	None: No suitable habitat for this species exists in the project study area.
Delta mudwort, <i>Limosella australis</i>	CNPS/2B.1, CNDDDB	Inhabits marshes, swamps, and riparian scrub.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.

Table 3.4-1: Federal and State Sensitive Species Identified as Potentially Occurring in The Study Area

Species Name	Status	Habitat Requirements	Potential for Occurrence
Delta tule pea, <i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	CNPS/1B.2, CNDDDB	Grows in marshes and swamps.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.
Diamond-petaled California poppy, <i>Eschscholzia rhombipetala</i>	CNPS/1B.1	Found in valley and foothill grassland.	None: No suitable habitat for this species exists in the project study area.
Dwarf downingia, <i>Downingia pusilla</i>	CNPS/2B.2	Found in valley and foothill grassland and vernal pools.	None: No suitable habitat for this species exists in the project study area.
Fragrant fritillary, <i>Fritillaria liliacea</i>	CNPS/1B.2	Grows in cismontane woodland, Coastal prairie, Coastal scrub, and Valley and foothill grassland.	None: No suitable habitat for this species exists in the project study area.
Hogwallow starfish, <i>Hespererax caulescens</i>	CNPS/4.2	Inhabits valley and foothill grassland, and vernal pools.	None: No suitable habitat for this species exists in the project study area.
Hoover's cryptantha, <i>Cryptantha hooveri</i>	CNPS/1A	Inhabits inland dunes and Valley and foothill grassland.	None: No suitable habitat for this species exists in the project study area.
Keck's checkerbloom, <i>Sidalcea keckii</i>	CNPS/1B.1, FE	Grows in cismontane woodland and Valley and foothill grassland	None: No suitable habitat for this species exists in the project study area.
Mason's lilaeopsis, <i>Lilaeopsis masonii</i>	CNPS/1B.1, CR	Found in marshes, swamps, and riparian scrub.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.
Mt. Diablo buckwheat, <i>Eriogonum truncatum</i>	CNPS/1B.1	Grows in chaparral, Coastal scrub, and Valley and foothill grassland.	None: No suitable habitat for this species exists in the project study area.
San Joaquin spearscale, <i>Extriplex joaquinana</i>	CNPS/1B.2	Inhabits chenopod scrub, Meadows and seeps, Playas, and Valley and foothill grassland.	None: No suitable habitat for this species exists in the project study area.

Table 3.4-1: Federal and State Sensitive Species Identified as Potentially Occurring in The Study Area

Species Name	Status	Habitat Requirements	Potential for Occurrence
Small spikerush, <i>Eleocharis parvula</i>	CNPS/4.3	Found in marshes and swamps.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.
Small-flowered morning-glory, <i>Convolvulus simulans</i>	CNPS/4.2	Grows in chaparral, Coastal scrub, and Valley and foothill grassland.	None: No suitable habitat for this species exists in the project study area.
Soft salty bird's-beak, <i>Chloropyron 3.4-10ole ssp. Molle</i>	CNPS/1B.2, FE, CR	Found in marshes and swamps.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.
Stinkbells, <i>Fritillaria agrestis</i>	CNPS/4.2	Grows in chaparral, Cismontane woodland, Pinyon and juniper woodland, and Valley and foothill grassland.	None: No suitable habitat for this species exists in the project study area.
Suisun Marsh aster, <i>Symphotrichum lentum</i>	CNPS/1B.2, CNDDB	Found in marshes and swamps.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.
Sweet marsh ragwort, <i>Senecio hydrophiloides</i>	CNPS/4.2	Found in lower montane coniferous forest, and Meadows and seeps.	None: No suitable habitat for this species exists in the project study area.
Invertebrates			
California linderiella, <i>Linderiella occidentalis</i>	CNDDB	Occurs in vernal pool habitats in the Central Valley of California.	None: No suitable habitat for this species exists in the project study area.
Delta green ground beetle, <i>Elaphrus viridis</i>	FT	Occurs in vernal pool habitats	None: No suitable habitat for this species exists in the project study area.

Table 3.4-1: Federal and State Sensitive Species Identified as Potentially Occurring in The Study Area

Species Name	Status	Habitat Requirements	Potential for Occurrence
Lange's metalmark butterfly, <i>Apodemia mormo langei</i>	FE	Inhabits stabilized dunes along the San Joaquin River.	None: No suitable habitat for this species exists in the project study area.
Vernal pool fairy shrimp, <i>Branchinecta lynchi</i>	FT	Endemic to the grasslands of the central valley, central coast mountains, and south coast mountains, in astatic rain-filled pools.	None: No suitable habitat for this species exists in the project study area.
Vernal pool tadpole shrimp, <i>Lepidurus packardii</i>	FE	Inhabits vernal pools and swales in the Sacramento valley containing clear to highly turbid water.	None: No suitable habitat for this species exists in the project study area.
Fish			
Delta smelt, <i>Hypomesus transpacificus</i>	CE, FT	Tidally influenced areas of the Sacramento-San Joaquin Delta.	Moderate: Wetlands mapped in the project study area provide potential habitat. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.
Longfin smelt, <i>Spirinchus thaleichthys</i>	CT	Found in the open water of freshwater and saltwater estuaries.	Moderate: Wetlands mapped in the project study area provide potential habitat. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.
Amphibians			
California red-legged frog, <i>Rana draytonii</i>	CDFG, FT	Associated with quiet perennial to intermittent freshwater ponds, stream pools and wetlands. Prefers shorelines with extensive vegetation; may disperse through upland habitats after rains.	None: No suitable habitat for this species exists in the project study area.

Table 3.4-1: Federal and State Sensitive Species Identified as Potentially Occurring in The Study Area

Species Name	Status	Habitat Requirements	Potential for Occurrence
California tiger salamander, <i>Ambystoma californiense</i>	FT	Lowland species restricted to annual grasslands and foothill oak savanna and woodland regions where its breeding habitat occurs. Breeding habitat consists of temporary ponds or pools, some permanent waters, and rarely slower portions of streams.	None: No suitable habitat for this species exists in the project study area.
Reptiles			
Giant garter snake, <i>Thamnophis gigas</i>	CT, FT	Prefers freshwater wetland and low gradient streams. This species has adapted to drainage canals and irrigation ditches.	Low: Wetlands mapped in the project study area provide potential habitat. Species has occurred along the San Joaquin River within 3 miles east of the project site. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.
Northern California legless lizard, <i>Anniella pulchra</i>	CNDDDB	Inhabits sparsely vegetated areas of beach dunes, chaparral, pine-oak woodlands, desert scrub, sandy washes, and stream terraces with sycamores, cottonwoods, or oaks.	Low: According to CNDDDB, this species occurred in the project study area historically (1940's) and is presumed extant. However, very little suitable habitat for this species exists on the proposed development area.
Western pond turtle, <i>Emys marmorata</i>	CNDDDB	Prefers rivers, creeks, small lakes and ponds, marshes, irrigation ditches, and reservoirs.	Moderate: Wetlands mapped in the Study Area provide potential habitat. According to the CNDDDB, the species has been observed within about 0.5 mile downstream and upstream of the project site. If present, pond turtles may use uncompacted soils and organic litter adjacent to the project site for nesting or estivation, including the site's uncompacted fill soils observed around the edge of the project site.

Table 3.4-1: Federal and State Sensitive Species Identified as Potentially Occurring in The Study Area

Species Name	Status	Habitat Requirements	Potential for Occurrence
Mammals			
Salt marsh harvest mouse, <i>Reithrodontomys raviventris</i>	FE, CE	Prefers salt and brackish marshes.	Unlikely: Wetlands mapped in the project study area may provide potential habitat, however this species prefers pickleweed marshes, which are not present. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.
San Joaquin kit fox, <i>Vulpes macrotis mutica</i>	FE	Prefers open habitat such as grasslands, scrublands, and meadows.	Unlikely: Nearest CNDDDB record is almost 3 miles to the south. Species can use small remnants of habitat within urban development; however, extensive burrow systems of the right size (> 7 inches) were not observed in the project study area.
Birds			
Burrowing owl, <i>Athene cunicularia</i>	CNDDDB	Breeds in grasslands, rangelands, agricultural areas, deserts, vacant lots in urban areas, or any other open, dry area with low vegetation.	Low: Most soils are compacted or paved within the project site; however, some pre-existing burrows exist in portions of the project study area adjacent to the project site. Ground squirrels were not observed during the field survey. The nearest CNDDDB record is within 1 mile, but species may be extirpated. More recent occurrences within about 2 miles have been recorded in eBird (eBird 2023).
California Ridgway's rail, <i>Rallus obsoletus obsoletus</i> [<i>R. longirostris obsoletus</i>]	FE	Breeds in clumps of vegetation or in shrubs in tidal salt and brackish marshes.	Low: Wetlands mapped in the project study area provide potential habitat. If industrial stormwater controls and BMPs put in place, this species would not be affected by the proposed Project. Nearest CNDDDB record is 8 miles west.

Table 3.4-1: Federal and State Sensitive Species Identified as Potentially Occurring in The Study Area

Species Name	Status	Habitat Requirements	Potential for Occurrence
California least tern, <i>Sterna antillarum brownii</i>	FE	Nests on the ground in beaches, mudflats, and sand dunes, usually near shallow estuaries and lagoons with access to the near open ocean.	None: No suitable nesting habitat for this species exists in the project study area.
Suisun song sparrow, <i>Melospiza melodia maxillaris</i>	CNDDDB	Nests in tidal salt and brackish marshes.	Moderate: Wetlands mapped in the Study Area provide potential habitat. Nearest CNDDDB record is within 0.5 mile. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the proposed Project.
White-tailed kite, <i>Elanus leucurus</i>	CFP	Nests in open-country trees growing in isolation, or at the edge of or within a forest.	Low: There are a few potential nest trees along the edges of the project study area. No nests were observed in any of the trees.

3.4.2.3.1 Special-Status Plants

Of the 28 plant species identified as having the potential to occur during the desktop review, the following seven species were determined as having potential to be present at or near the project study area following the field survey:

- Bolander's water-hemlock (*Cicuta maculate* var. *bolanderi*)
- Delta mudwort (*Limosella australis*)
- Delta tule pea (*Lathyrus jepsonii* var. *jepsonii*)
- Masons' lilaeopsis (*Lilaeopsis masonii*)
- Soft salty bird's-beak (*Cordylanthus molle* ssp. *molle*)
- Small spikerush (*Elocharis parvula*)
- Suisun Marsh aster (*Symphytrichum lentum*)

3.4.2.3.2 Special-Status Wildlife

Of the 19 wildlife species identified as having the potential to occur during the desktop review, the following 11 species were determined as having potential to be present at or near the Study Area following the field survey:

- Delta smelt (*Hypomesus transpacificus*).
- Longfin smelt (*Spirinchus thaleichthys*).
- Northern California legless lizard (*Anniella pulchra*)

- Western pond turtle (*Emys marmorata*).
- Giant garter snake (*Thamnophis gigas*)
- California Ridgway's rail (*Rallus obsoletus obsoletus*).
- Burrowing Owl (*Athene cunicularia*)
- Suisun song sparrow (*Melospiza melodia maxillaris*).
- White-tailed kite (*Elanus leucurus*).
- Salt marsh harvest mouse (*Reithrodontomys raviventris*).
- San Joaquin kit fox (*Vulpes macrotis mutica*)

The project site is located within the USFWS Designated Critical Habitat for delta smelt (Federally Threatened, State Endangered), an anadromous fish endemic to the upper reaches of the San Francisco Bay Bay-Delta Estuary. There is suitable estuarine wetland and slough habitat for delta smelt and longfin smelt (State Threatened) adjacent to the Study Area. The species are known to inhabit tidally influenced sloughs and edge waters. In addition to the special-status species mentioned above, numerous migratory and native bird species and bat species have potential to use portions of the project site.

3.4.2.3.3 Nonindigenous Aquatic Species

San Francisco Bay Estuary has been described as one of the most invaded ecosystems in North America. Nonindigenous aquatic species dominate many parts of the San Francisco Bay, to the extent that in some locations only introduced species can be found. The shipping industry has been identified as one of the major vectors of nonindigenous aquatic species, and vessel biofouling and ballast water are considered the largest contributors of nonindigenous species to the San Francisco Bay (CSLC 2021). A total of 18 percent of established nonindigenous aquatic species are tied to vessel biofouling as the primary likely vector and 9 percent for ballast water; however, when considering established species with multiple possible vectors, 60 percent may have been introduced via vessel biofouling as one of several possible vectors, and 53 percent may have been introduced via ballast water as one of several possible vectors (OSPR 2011).

Invasive species may compete directly with native species for food or space, or prey upon native species. They can also change the food chain or physical environment to the detriment of native species. Approximately 42 percent of the species on the federal threatened or endangered species list are at risk primarily because of predation, parasitism and competition from nonindigenous invasive species (OSPR 2011).

3.4.2.4 Aquatic Resources

A wetland and waterbody investigation was performed within the project site and Study Area (TRC 2023b). The objective of the wetland and waterbody investigation was to identify and delineate the spatial extent and location of wetlands, streams, and other aquatic resources within the project site. Aquatic resources that are considered Waters of the United States are subject to regulation under Section 404 of the Clean Water Act (CWA). The jurisdictional regulatory authority of these resources is the United States Army Corps of Engineers (USACE) San Francisco District (San Francisco Regulatory Office) and the San Francisco Bay (2) Regional Water Quality Control Board. In addition to the federal authority, project actions that have the potential to alter or impact wetlands,

waters, and/or riparian zones in the state of California must also comply with California Fish and Game Code Rule 1602.

Based on field observations, no wetlands or waterbodies were identified within the project site. Off-site estuarine wetlands are present within the Study Area (within 150 feet of the project site boundary) to the north, east, and west of the project site. As such, the proposed Project is not anticipated to be subject to United States Clean Water Act Section 404 regulation. Referrals for the proposed Project have been sent to the San Francisco Bay Regional Water Quality Control Board and CDFW to determine state jurisdiction and permitting requirements for the adjacent off-site wetlands and waterbodies.

3.4.3 Regulatory Context

3.4.3.1 Federal

3.4.3.1.1 Federal Endangered Species Act

The Federal Endangered Species Act (ESA) (16 United States Code [USC] Sections 1531-1544) provisions protect federally listed threatened or endangered species and their habitats from unlawful take. *Take* is defined under the ESA as to “harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any of the specifically enumerated conduct.” The United States Fish and Wildlife Service (USFWS) regulations define *harm* as “an act which actually kills or injures wildlife.” Activities that may result in take of individuals are regulated by the USFWS or National Marine Fisheries Service (NMFS). It should be noted that plants listed as federally threatened or endangered are not protected from take on private property; however, they are protected from take (e.g., collecting or vandalizing) on federally managed lands.

3.4.3.1.2 Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) (16 USC Sections 703-712) prohibits killing, possessing, or trading in migratory birds except in accordance with regulations prescribed by the Secretary of the Interior. This act encompasses whole birds, parts of birds, bird nests, and eggs. Nest destruction that results in the unpermitted take of migratory birds or their eggs is illegal under the MBTA. Disturbances that result in the incidental loss of fertile eggs or nestlings due to nest abandonment are considered a violation of the MBTA. The MBTA does not contain any prohibition that applies to the destruction of a bird nest alone (without birds or eggs), provided that no possession occurs during the destruction.

3.4.3.1.3 Bald and Golden Eagle Protection Act

In the United States, eagles are protected under the Bald and Golden Eagle Act (BGEPA), initially enacted in 1940 to protect the bald eagle and later expanded in 1962 to protect the golden eagle as well (16 United States Code [USC] § 668-668d). The Act imposes criminal penalties for all individuals, associations, and corporations who “take, possess, sell, purchase, barter, offer to sell, purchase or barter, transport, export or import, at any time or in any manner any bald eagle commonly known as the American eagle or any golden eagle, alive or dead, or any part, nest, or egg thereof” without a permit (16 USC § 668a). If planned project development is in close proximity to

an eagle foraging site, roosting site, or nest, the USFWS may require an eagle incidental take permit regardless of its activity status. If it is determined that a possibility of non-intentional take could result from project activities, the USFWS may issue a programmatic take permit pending the analysis of preliminary site investigations, which would be subject to conditions or mitigation measures to avoid or minimize project impacts. Ongoing monitoring at project sites is typically required with issuance of the take permit and results will be presented to the USFWS in post-construction monitoring and annual reports (50 Code of Federal Regulations [CFR] 22.26).

3.4.3.1.4 Clean Water Act

Areas meeting the regulatory definition of waters of the United States (jurisdictional waters) are subject to the jurisdiction of the USACE. The USACE, under provisions of Section 404 of the Clean Water Act of 1972 (CWA) (33 USC Sections 1251-1376) and Section 10 of the Rivers and Harbors Act of 1899, has jurisdiction over waters of the United States. The Navigable Waters Protection Rule of 2020 provides four categories of federally protected waters: 1) the territorial seas and traditional navigable waters; 2) perennial and intermittent tributaries to those waters; 3) certain lakes, ponds and impoundments; and 4) wetlands adjacent to jurisdictional waters.

3.4.3.1.5 Estuary Protection Act

The Estuary Protection Act (16 USC Sections 1221-1226) provides a means for federal agencies to consider the need to protect, conserve, and restore estuaries during the permit-approval process.

3.4.3.1.6 Rivers and Harbors Act

The Rivers and Harbors Act of 1899 (33 USC Sections 401, 403, 407) addresses projects and activities in navigable waters, and harbor and river improvements. Under Section 10 of this act, any construction or alteration of a navigable water is required to first obtain the approval of the chief of the United States Army Corps of Engineers (USACE).

3.4.3.1.7 Executive Order 13112, Invasive Species

EO 13112 was established in 1999 to facilitate coordination and response of federal agencies on the negative effects and issues regarding invasive species. It provides policy direction to encourage organized efforts of federal, state, and local agencies in managing invasive species through preventing, detecting, monitoring, evaluating, and controlling the spread of invasive species, as well as increasing awareness of scientific research and public outreach to curb the spread and impacts of invasive species.

3.4.3.1.8 Sustainable Fisheries Act

The Sustainable Fisheries Act of 1996 (Public Law No. 104-267) reauthorized the Magnuson-Stevens Act and amended the habitat provisions of the Magnuson-Stevens Act to direct the NMFS, Fishery Management Councils, and federal agencies to protect, conserve and enhance essential fish habitat (EFH). EFH is defined as waters and substrate necessary for spawning, breeding, feeding and rearing of federally managed fish species. Under the Magnuson-Stevens Act, all federal agencies must consult with the NMFS prior to authorizing projects that may adversely affect EFH.

Habitat Areas of Particular Concern (HAPCs) are a subset of EFH that exhibit one or more of the following traits: rare, stressed by development, provide important ecological functions for federally managed species, or are especially vulnerable to anthropogenic (or human impact) degradation. HAPCs do not receive additional regulatory protection under the Magnuson-Stevens Act, but projects with potential adverse impacts to HAPCs receive additional scrutiny during the consultation process.

3.4.3.1.9 Magnuson-Stevens Fishery Conservation and Management Act

The Magnuson-Stevens Fishery Conservation and Management Act (Magnuson-Stevens Act) (16 USC Sections 1801-1882) established jurisdiction over marine fisheries in the United States exclusive economic zone (EEZ) through fishery management plans (FMPs). The Pacific Fishery Management Council drafted three FMPs (the Pacific Groundfish Fishery Management Plan, Coastal Pelagic Fishery Management Plan, and Pacific Salmon Fishery Management Plan) to describe the habitat essential to the fish being managed and to describe threats to that habitat from both fishing and non-fishing activities.

3.4.3.1.10 Marine Mammal Protection Act

The Marine Mammal Protection Act of 1972 (MMPA) (16 USC Sections 1361-1421) prohibits take and importation of marine mammals in United States waters and by United States citizens on the high seas. The MMPA has been amended numerous times to authorize and regulate take related to prescribed activities, mainly related to weapons testing by the United States military.

3.4.3.1.11 Nonindigenous Aquatic Nuisance Prevention and Control Act

The Nonindigenous Aquatic Nuisance Prevention and Control Act of 1990 (NANPCA) established the first major federal program to prevent the introduction and control the spread of introduced aquatic nuisance species. NANPCA was amended in 1996 by the National Invasive Species Act to implement voluntary ballast water exchange guidelines for vessels entering United States waters from outside the United States EEZ. Since 2004, ballast water exchange has been mandatory; the program is overseen by the United States Coast Guard.

3.4.3.1.12 The Oil Pollution Act

The Oil Pollution Act of 1990 (OPA) (33 USC Sections 2701-2761) provides new requirements for contingency planning by industry such that owners or operators of vessels and certain facilities that pose a serious threat to the environment must prepare facility response plans (FRPs). OPA also authorizes trustee agencies to seek monetary compensation for injured natural resources.

3.4.3.2 State

3.4.3.2.1 California Environmental Quality Act

Rare or endangered plant or wildlife species are defined in the CEQA Guidelines Section 15380 as a species that is either presently threatened with extinction or that it is likely to become endangered within the foreseeable future or as a species that survival and reproduction in the wild are in immediate jeopardy, respectively. A species of animal or plant shall be presumed to be rare or

endangered if it is listed in 14 California Administrative Code (CAC) 670.2 or 670.5, or 50 CFR 17.11 or 17.12 pursuant to the ESA as threatened or endangered.

3.4.3.2.2 California Endangered Species Act

Provisions of the CESA protect state-listed threatened and endangered species. The CDFW regulates activities that may result in take of individuals (i.e., “hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill”). Habitat degradation or modification is not included in the definition of take under the California Fish and Game Code. Any project that has the potential to take listed species must apply for an incidental take permit pursuant to Sections 2081 (B) and (C) of the California Fish and Game Code.

3.4.3.2.3 Other Provisions of the California Fish and Game Code

The California Fish and Game Code Sections 3511, 4700, 5050 and 5515 prohibit take of fully protected bird, mammal, reptile and amphibian and fish species, respectively. Species that are classified as fully protected species, or parts thereof, may not be taken or possessed at any time, nor may licenses be issued for their take.

Sections 3503 and 3503.5 of the California Fish and Game Code outlaw take, possession or destruction of birds and raptors, respectively, and their nests. Disturbance during the breeding season that results in the incidental loss of fertile eggs or nestlings, or otherwise leads to nest abandonment, is also considered take by the CDFW.

The CDFW promulgates various lists of sensitive species for which analysis of project impacts is required under CEQA. These lists include Species of Special Concern lists for invertebrates, fish, amphibians and reptiles, mammals and birds.

3.4.3.2.4 Porter-Cologne Water Quality Control Act

Areas meeting the regulatory definition of waters of the State are subject to the jurisdiction of the California State Water Resources Control Board. Waters of the State means any surface water or groundwater, including saline waters, within the boundaries of the State (California Water Code, Section 1305I).

3.4.3.2.5 Marine Invasive Species Act

The Marine Invasive Species Act (MISA) of 2003, made permanent by the Coastal Ecosystems Protection Act of 2006, requires ballast water and biofouling management for all vessels that intend to discharge ballast water in California waters. Regulations depend on the vessel’s size and origin of voyage. Under MISA, CSLC administers the Marine Invasive Species Program (MISP), a multiagency program tasked with preventing the introduction of non-indigenous aquatic species from ballast water and biofouling. All vessels covered under the law are required to complete and submit a ballast water report form to the CSLC upon departure from each port of call in California and must comply with good housekeeping practices.

3.4.3.3 Local

3.4.3.3.1 Suisun Marsh Habitat Management, Preservation, and Restoration Plan

The Suisun Marsh Habitat Management, Preservation, and Restoration Plan (2013) is a 30-year comprehensive plan designed to address the various conflicts regarding use of marsh resources, with the focus on achieving an acceptable multi-stakeholder approach to the restoration of tidal wetlands and the management of managed wetlands and their functions. The Suisun Marsh Habitat Management, Preservation, and Restoration Plan addresses habitats and ecological process, public and private land use, levee system integrity, and water quality through restoration and managed wetland activities. As such, the Suisun Marsh Habitat Management, Preservation, and Restoration Plan is intended to be a flexible, science-based, management plan for Suisun Marsh, consistent with the revised Suisun Marsh Preservation Agreement and CALFED Bay-Delta Program (CALFED).

3.4.3.3.2 Delta Reform Act

The Delta Reform Act of 2009 established two coequal goals: securing a reliable water supply for California; and protecting, restoring, and enhancing the Sacramento-San Joaquin Delta ecosystem and the fish, wildlife, and recreation it supports. The Delta Reform Act recognized the Delta as an “evolving” environment and outlined a state policy of reduced reliance on Delta water exports, opting for a strategy of improved conservation, the development and enhancement of regional supplies, and water use efficiency.

The Delta Reform Act established an independent state agency – the Delta Stewardship Council – to develop and implement a plan that facilitates the declared coequal goals. The act also established the Delta Independent Science Board and authorized it to research, monitor, and assess programs pursued under the Delta Plan, advising the Council of its findings.

Under the authority of the act, a Delta Plan was originally adopted in May 2013. It incorporated 14 regulatory policies and 73 non-regulatory recommendations that contributed to the realization of the coequal objectives, including reduced reliance on Delta exports; final approval and adoption of the Bay Delta Conservation Plan; enhanced water quality standards; protection of the Delta’s unique ecosystem; mitigation of the multiple stressors affecting the Delta; improvement of emergency preparedness throughout the Delta region; reduction of flood risk; and prioritized state investment in levee maintenance and upgrading.

Since the original adoption date (2013), to ensure that the Delta Plan evolves appropriately with time, the Delta Reform Act requires that the Council review the comprehensive management plan at least once every five years and revise it as the Council deems appropriate.

In 2018, the Council began an initial review of the Delta Plan with three objectives in mind: (1) to reflect on the successes and challenges of implementation efforts across agencies; (2) to focus and prioritize the Council’s near-term implementation efforts; and (3) to identify planning topics and emerging issues that may inform future updates. To summarize findings, in 2019, the Council published a detailed report summarizing these objectives alongside a highlights companion piece. Portions of the Delta Plan were amended in 2023.

3.4.3.3.3 San Francisco Bay Plan

The San Francisco Bay Plan, originally adopted by the California Legislature in 1969, contains the policies that the San Francisco Bay Conservation and Development Commission (BCDC) uses to determine whether permit applications can be approved for projects within the Commission's jurisdiction—consisting of the San Francisco Bay, salt ponds, managed wetlands, certain waterways, and land within 100 feet of the Bay. On October 6, 2011, the BCDC unanimously approved an amendment to the Plan to update the 22-year-old sea level rise findings and policies and more broadly address climate change adaptation.

Plan Map 3 of the San Francisco Bay Plan shows the Suisun Bay and Marsh area. Browns Island and portions of the City's western waterfront, both within the City's Planning Area, are within the jurisdictional boundary for the Plan.

3.4.3.3.4 San Francisco Bay Basin (Region 2) Water Quality Control Plan

The San Francisco Bay Region (Region) is approximately 4,603 square miles in area, which is roughly the size of the State of Connecticut. It is characterized by its dominant feature, consisting of 1,100 square miles of the 1,600-square-mile San Francisco Bay Estuary (Estuary), the largest estuary on the west coast of the United States, where fresh waters from California's Central Valley mix with the saline waters of the Pacific Ocean. The Region also includes coastal portions of Marin and San Mateo counties, from Tomales Bay in the north to Pescadero and Butano Creeks in the south.

The San Francisco Bay Basin (Region 2) Water Quality Control Plan (Basin Plan) includes a summary of beneficial water uses, water quality objectives needed to protect the identified beneficial uses, and actions. The Basin Plan establishes water quality standards for all the ground and surface waters of the region. The term "water quality standards," as used in the CWA, includes both the beneficial uses of specific water bodies and the levels of quality that must be met and maintained to protect those uses. The Basin Plan includes an implementation plan describing the actions by the RWQCB and others that are necessary to achieve and maintain the water quality standards. The RWQCB regulates waste discharges to minimize and control their effects on the quality of the region's ground and surface water. Permits are issued under several programs and authorities. The terms and conditions of these discharge permits are enforced through a variety of technical, administrative, and legal means. Water quality problems in the region are listed in the Basin Plan, along with the causes, where they are known. For water bodies with quality below the levels necessary to allow all the beneficial uses of the water to be met, plans for improving water quality are included. The Basin Plan reflects, incorporates, and implements applicable portions of several national and statewide water quality plans and policies, including the California Water Code and the CWA.

3.4.3.3.5 City of Pittsburg

The City's general plan, *General Plan Pittsburg 2020: A Vision for the 21st Century*, was adopted in 2001 (City of Pittsburg 2001). The project site is within the Northeast River Planning Subarea, characterized by industrial facilities and vacant lands. Major industrial facilities within this subarea include USS-Posco (UPI), Dow Chemical, and the Delta Diablo Wastewater Treatment Plant. Brown Island, located approximately 0.9 mile northeast of the project site, is recognized as a Regional Shoreline Preserve. Wetlands are identified within a 150-foot buffer of the defined Study Area, particularly along Kirker Creek and its confluence with the New York Slough and San Jaquin

River. In the General Plan, the following goals related to plants, wildlife, and habitat have been established for the Northeast River Planning Subarea:

Northeast River Goals:

2-G-13 Protect sensitive marshland habitats along the New York Slough waterfront.

Northeast River Policies:

2-P-43 Ensure that all proposed projects in the Northeast River area complete an assessment of biological resources, including wetlands, before site layout and design is completed.

2-P-44 Ensure—through a combination of on- and off-site mitigation—that new development results in no net loss of wetlands. Dowest Slough is an excellent example of wetlands restoration adjacent to industrial properties.

2-P-46 Support the permanent preservation of the wetlands and salt marsh habitats along New York and Dowest Sloughs, including Browns Island Regional Shoreline.

The proposed Project is consistent with the goals and policies presented above and is a compatible use with the General Industrial (IG) Zoning District. The proposed Project would not introduce a land use not covered by pre-existing land use regulations. Per the zoning requirements outlined in the Pittsburg Municipal Code, major utility uses in General Industrial (IG) Districts such as those included in this proposed Project would require the approval of a use permit (City of Pittsburg 2020).

3.4.4 Impact Analysis

3.4.4.1 Methodology for Impact Analysis

Impacts on vegetation and wildlife were based on the information provided in the Biological Technical Memorandum (Appendix D.1) summarizing the biological desktop review and site reconnaissance survey of the Study Area. Discussion of impacts from operations focuses on the particular characteristics of the proposed Project.

3.4.4.2 Significance Criteria

For the purposes of this analysis, a project impact was considered to be significant and to require mitigation if it would:

- a. have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS?
- b. have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies and regulations or by the CDFW or USFWS?
- c. have a substantial adverse effect on state or federally protected wetlands (including but not limited to marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption or other means?

- d. interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of wildlife nursery sites?
- e. conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?
- f. conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional or state habitat conservation plan?

3.4.5 Impacts and Mitigation Measures

Based on the field investigation, the developed, but inactive, industrial project site would be well-suited for the proposed Project to avoid and minimize the impacts to special status species from the construction and operation of a renewable hydrogen processing facility. The following habitats were identified within or adjacent to the Study Area that could result in the need for consultation, approval, or permit:

- Trees, shrubs, and other vegetation within and adjacent to the Study Area may contain active bird nests during nesting season.
- There is a low potential of burrowing owl nesting or foraging activity within the Study Area.
- There is a low potential for white-tailed kite nesting activity in the few trees adjacent to the Study Area.
- There is a moderate potential for western pond turtle activity in the adjacent wetlands and ruderal and natural upland areas with uncompacted soils within and around the project site. Western pond turtle is known to occur within 0.5 mile east and west of the project site. Wetlands adjacent to the Study Area provide suitable wetland habitat, and upland areas adjacent to and within a 150-foot buffer of the Study Area provide suitable habitat for nesting and estivation. If the proposed Project provides fencing and/or biological monitors during periods of likely pond turtle movement, the proposed Project's effects on pond turtles would be negligible. May through July typically captures the pond turtle nesting season; however, consultation with CDFW is recommended to determine local seasonal movements, including overland movements for estivation. Alternatively, surveys could be conducted to confirm the presence of pond turtle activity in the vicinity.
- The estuarine wetlands and waters adjacent to the Study Area could provide habitat for aquatic associated special-status species. If no ground disturbing activities would occur that directly impact wetlands or waters, then the proposed Project would avoid direct impacts to aquatic associated species. Construction related indirect impacts (air quality, water quality, noise, etc.) would be avoided using pollution prevention best management practices as required by local and state regulations. Operations-related impacts would be minimized or avoided through project engineering design, operations environmental management plans and procedures, and best management practices (BMPs). Based on these anticipated criteria,

the proposed Project's effects on aquatic and wetland-associated species would likely be negligible.

If no ground-disturbing activities in or adjacent to mapped wetlands or waterbodies will occur and industrial stormwater controls and BMPs are implemented, a letter requesting concurrence with the finding that federally listed species may be affected but are not likely to be adversely affected by the proposed Project may be submitted to the USFWS.

The federal Migratory Bird Treaty Act protects migratory birds and their eggs and nests from hunting, capturing, killing or other taking, and the California Fish and Game Code and AB 454 prohibit these actions even if incidental to otherwise lawful activities. Therefore, compliance with existing laws protecting migratory birds and raptors would protect nesting birds. TRC recommends that a pre-construction survey for active bird nests, including Suisun song sparrow, burrowing owl, and white-tailed kite, be conducted within the designated work area and up to 1,000-foot buffer by a qualified biologist if construction, including staging, is to begin during nesting season (February 1 to August 31), and before work is re-initiated during nesting season if work has been discontinued for more than 14 days. Pre-construction surveys should include abandoned structures. If an active nest is identified in proximity to the work area, recommendations of a qualified biologist should be implemented following CDFW guidance to ensure compliance with applicable laws.

3.4.5.1 Impact Determination

- a. Would the proposed Project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS? (BIO-1)

Potentially, without mitigation. As discussed below, some special-status plant and wildlife species have potential to occur within the Study Area. Based on this information, noise and disruption associated with construction of the proposed Project would have the potential to impact these species. Therefore, mitigation measures have been identified to reduce potential impacts to special-status species to a less-than-significant level. Implementation of the **BIO-1 Mitigation Measures** would ensure that potential impacts of the proposed Project would be less than significant.

3.4.5.1.1 Fish

The project site is located within the USFWS Designated Critical Habitat for delta smelt (Federally Threatened, State Endangered), an anadromous fish endemic to the upper reaches of the San Francisco Bay Bay-Delta Estuary. There is potentially suitable estuarine wetland and slough habitat for delta smelt and longfin smelt (State Threatened) adjacent to the project site. The species are known to inhabit tidally influenced sloughs and edge-waters.

Open water habitat north of the Study Area could be degraded by poor housekeeping, accidental spill of fuel or hazardous materials and polluted stormwater runoff. Substantial loss of individuals of special-status fish species caused by degradation of suitable open water, marsh and wetlands could result in a significant impact on special status fish species. Implementation of **Mitigation Measure BIO-1a: General Work Site Best Management Practices**, would ensure that best management practices are employed during construction of the proposed Project. Implementation of **Mitigation**

Measure BIO-1b: Spill and Accidental Discharge Prevention, and Mitigation Measure BIO-1c: Emergency Spill and Containment Plan, would ensure that the proposed Project minimizes the risk of spills or accidental discharge of fuels or hazardous materials. Although proposed project construction would not trigger the requirement for a construction stormwater permit, implementation of **Mitigation Measure BIO-1d: Stormwater Pollution Prevention Plan (SWPPP)** for construction of the proposed Project would ensure that potential impacts from stormwater runoff are reduced to less than significant. Implementation of **Mitigation Measures BIO-1a to BIO-1i** would ensure that potential impacts of the proposed Project would be less than significant.

3.4.5.1.2 Plants

The project site does not provide habitat for special-status plants. However, suitable habitat for special-status plant species occurs in marsh and wetland habitats adjacent to the project site. Special-status species with potential to occur or that are likely to occur in the adjacent marsh and wetland habitats are:

- Bolander's water-hemlock (*Cicuta maculate* var. *bolanderi*)
- Delta mudwort (*Limosella australis*)
- Delta tule pea (*Lathyrus jepsonii* var. *jepsonii*)
- Mason's lilaeopsis (*Lilaeopsis masonii*)
- Soft salty bird's-beak (*Cordylanthus molle* ssp. *molle*)
- Small spikerush (*Elocharis parvula*)
- Suisun Marsh aster (*Symphytrichum lentum*)

Soft salty bird's beak was not detected during special-status species and sensitive habitats assessment. However, brackish marsh and wetland habitat adjacent to the project site provides suitable habitat for these species. If the federally protected soft salty bird's beak were to be located in construction work areas on the project site, individuals could be inadvertently trampled during construction, with the loss resulting in a potentially significant adverse impact. Implementation of **Mitigation Measure BIO-1** Error! Reference source not found.g: **Preconstruction Focused Soft-Bird's Beak Surveys**, would ensure that soft bird's beak is absent from the project site prior to construction.

No construction activity would occur within vegetated areas. Marshlands and wetlands do not occur within the Study Area but are found adjacent to the project site. A tarp to catch inadvertently dropped tools or material would be secured below the scaffolding for work in any area where pipe repairs are required. However, in areas where only heat tracing and insulation are required, construction workers would descend from the scaffolding to retrieve dropped tools or materials. When workers descend from the scaffolding into vegetated areas to retrieve accidentally dropped tools or materials, they could crush or injure individual special-status plants if present. Loss of special-status plants could potentially result in a significant adverse impact. **Mitigation Measure BIO-1e: Demarcation of Limits of Work** would require that the limits of work areas are clearly marked, further reducing the potential for accidental crushing or injuring of individual special-status plants.

Work over vegetated areas has the potential to introduce nonnative invasive plant seeds from vehicles and equipment or being tracked in on workers' boots, leading to habitat degradation. Impacts on any or all of the special-status plants with potential to occur in the project site could be

significant. Habitat degradation for special status plants through the introduction of weed species into sensitive habitat would result in a significantly adverse impact. However, implementation of **Mitigation Measure BIO-1f: Weed Spread Prevention**, would ensure that construction does not introduce weeds to the project site, thereby reducing impacts to special-status plants to a less-than-significant level.

Degradation of off-site marsh habitat could also occur from an accidental spill of fuel or other hazardous material. Habitat degradation caused by accidental spill into or near sensitive habitat for special status plants could be a potentially significant adverse impact. Implementation of **Mitigation Measure BIO-1c: Emergency Spill and Containment Plan** and **Mitigation Measure BIO-1b: Spill and Accidental Discharge Prevention**, would reduce this impact to a less-than-significant level.

Implementation of the **BIO-1 Mitigation Measures** would ensure that potential impacts of the proposed Project would be less than significant.

3.4.5.1.3 Mammals

The marshland and open areas adjacent to the Study Area could provide suitable habitat for salt marsh harvest mouse and San Joaquin kit fox, although it is not likely they would utilize habitats within the Study Area. Construction noise and activity could disturb individual animals if present. However, individuals that are temporarily displaced by construction noise and activity would be able to retreat to adjacent habitat. However, no construction would occur in vegetated areas. Habitat degradation for special status mammals caused by introduction of weed species or spills from the project site would result in a significant adverse impact. Implementation of mitigation measures described above for plants would ensure protection of habitat for special-status mammals. Implementation of the **BIO-1 Mitigation Measures** would ensure that potential impacts of the proposed Project would be less than significant.

3.4.5.1.4 Birds

Potentially suitable habitat for special-status birds is located within the project site. The proposed Project could have temporary adverse impacts on four special-status birds, including burrowing owl, white-tailed kit, Suisun song sparrow, and California Ridgway's rail, and other nesting migratory birds and raptors through increased levels of disturbance from increased human presence, noise and/or equipment vibrations, facility construction and demolition. Such disturbances may disrupt normal behavioral patterns of breeding, foraging, sheltering and dispersal.

Noise and disturbance from project construction can cause stress to nesting birds, causing them to abandon their eggs or young and resulting in nest failure, resulting in a significant adverse impact. Implementation of **Mitigation Measure BIO-1h: Preconstruction Nesting Bird Surveys**, and **Mitigation Measure BIO-1i: California Ridgway's Rail Surveys**, would require the Applicant to conduct preconstruction nesting bird surveys and establish protective buffers to avoid impacts to nests if present, reducing this impact to a less than significant level. Implementation of the **BIO-1 Mitigation Measures** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than Significant with Mitigation Incorporated.

3.4.5.2 **BIO-1 Mitigation Measures**

- **Mitigation Measure BIO-1a: General Work Site Best Management Practices.** The following measures shall be included on all plans and employed by HC (Contra Costa), LLC (Applicant) and its contractors to avoid and minimize impacts to water quality and other beneficial characteristics of wetlands adjacent to the project site:
 - No debris, soil, silt, sand, cement, concrete or washings thereof, or other construction-related materials or wastes, oil or petroleum products, or other organic or earthen material shall be allowed to enter into or be placed where it may be washed by rainfall or runoff into marshes or open water/ditches adjacent to the work areas.
 - All personnel and their equipment shall be required to stay within the designated construction area to perform job-related tasks and shall not be allowed to enter wetlands, drainages and habitat of listed species.
 - Pets shall not be allowed in or near the construction area.
 - Firearms shall not be allowed in or near the construction area, except for armed security officers who may periodically patrol work sites. No intentional killing or injury of wildlife shall be permitted.
 - The construction site shall be maintained in a clean condition. All trash (e.g., food scraps, cans, bottles, containers, wrappers, cigarette butts and other discarded items) shall be placed in closed containers and properly disposed off-Site.
 - After construction is completed, final cleanup shall include removal of all stakes, temporary fencing, flagging and other refuse generated by construction. Vegetation in marshes or open water/ditches adjacent to the project site shall not be removed or disturbed in the cleanup process.

- **Mitigation Measure BIO-1b: Spill and Accidental Discharge Prevention.** The following measures shall be included on all plans and employed by the Applicant and its contractors. The Applicant and its contractors shall be responsible for structuring operations in a manner that minimizes the risk of spills or the accidental discharge of fuels or hazardous materials. The Applicant and its contractors shall, at a minimum, ensure that:
 - All employees handling fuels and other hazardous materials are properly trained.
 - All equipment is in good operating order and inspected regularly.
 - Hazardous materials, including chemicals, fuels and lubricating oils, shall not be stored within 200 feet of a wetland or water body. This applies to storage of these materials and does not apply to normal operation or use of equipment in these areas.
 - If refueling is needed on-site, it will occur at least 100 feet from a surface water feature, and in a designated refueling area with secondary containment/plastic sheeting and a spill containment kit.

- **Mitigation Measure BIO-1c: Emergency Spill and Containment Plan.** The following measures shall be included on all plans and employed by the Applicant and its contractors. In the event of an accidental spill, the Facility Oil Spill Contingency Plan shall be implemented. Site-specific provisions shall be listed on the Safe Work Permit and included within the job plan maintained on-Site. At a minimum, the Applicant and its contractors shall:
 - Ensure that each construction crew (including clean-up crews) has sufficient supplies of absorbent and barrier materials on-Site to allow the rapid containment and recovery of

- spilled materials, and that each construction crew knows the procedure for reporting spills.
- Ensure that each construction crew has sufficient tools and material on Site to stop leaks.
 - Know the contact names and telephone numbers for all the Applicant contacts and local, state and federal agencies (including, if necessary, the United States Coast Guard and the National Response Center) that might need to be notified in the event of a spill.
 - Follow the requirements of those agencies in cleaning up the spill, excavating and disposing soils or other materials contaminated by a spill, and collecting and disposing waste generated during spill cleanup.
- **Mitigation Measure BIO-1d: Stormwater Pollution Prevention Plan (SWPPP).** The proposed Project shall develop, adhere to, and implement the requirements of a SWPPP during project construction.
 - Applicable SWPPP measures shall be incorporated into the construction plans by a qualified specialist and implemented prior to construction.
 - **Mitigation Measure BIO-1e: Demarcation of Limits of Work.** The Applicant and its contractors shall clearly demarcate the limits of work in the field. All project-related activity shall be confined to the designated work areas; no entry into adjacent areas shall be allowed by project personnel. Upon project completion, material used to mark the work boundary shall be removed.
 - **Mitigation Measure BIO-1f: Weed Spread Prevention.** The Applicant and its contractors shall implement measures to ensure that boots, clothing, vehicles and equipment are free of soils and plant parts prior to entering work areas.
 - **Mitigation Measure BIO-1g: Preconstruction Focused Soft-Bird's Beak Surveys.** Focused surveys for soft-bird's beak shall be conducted by a qualified biologist each year during the appropriate blooming period (June 1 through September 30) prior to construction to confirm its absence. Locations of rare plants in proposed construction areas will be recorded using a GPS unit and flagged for avoidance or project proponent will consult with the appropriate agency regarding the potential to relocate the plants. When construction is occurring in the area of the flagged plants, a qualified biologist shall monitor construction activities occurring in the vicinity of the flagged plants to ensure that no direct or indirect impacts occur.
 - **Mitigation Measure BIO-1h: Preconstruction Nesting Bird Surveys.** No more than 5 days prior to construction during the nesting bird season (February 1 through September 15), a qualified biologist shall conduct a survey for nesting birds. If work within an area lapses for more than 14 days during the nesting season, the survey shall be repeated. The survey shall encompass all work areas and those areas within a buffer of 250 feet for passerines, 500 feet for small raptors, and 1,000 feet for large raptors. Where accessible, the location of active nests will be recorded using a handheld global-positioning system unit. Should an active nest be discovered, the area of the nest and an appropriate buffer area will be cordoned off during construction activities that could cause disturbance of the nest. The qualified biologist conducting the nesting surveys should prepare a report that provides details about the nesting

outcome and the removal of buffers. This report should be submitted to the City for review and approval prior to the time that buffers are removed at the end of the project, at which time the biologist will confirm that the nests were not disturbed.

- **Mitigation Measure BIO-1i: California Ridgway's Rail Surveys.** Prior to construction occurring during the rail nesting season (February 1 through August 31) within 700 feet of suitable rail habitat, surveys shall be conducted for California Ridgway's rail in accordance with the USFWS Survey protocol for California Ridgway's rail. Surveys should be initiated between January 15 and February 1. For each survey station, four surveys are to be conducted. Surveys should be spaced at least two weeks apart and should cover the time period from the date of the first survey through the end of March or mid-April. If California Ridgway's rail are detected during the survey, no work within 700 feet of the rail calling centers (identified via compass bearing and distance estimate during surveys) shall occur between February 1 and August 31, unless otherwise approved by USFWS and CDFW.

b. Would the proposed Project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies and regulations or by the CDFW or USFWS? (BIO-2)

Potentially, without mitigation. The wetland and waterbodies delineation and habitat assessment identified that no wetland or marsh habitats occur within the project site; however, wetlands were identified adjacent to the Study Area. Also, the Study Area is located within the USFWS Designated Critical Habitat for delta smelt (Federally Threatened, State Endangered), an anadromous fish endemic to the upper reaches of the San Francisco Bay Bay-Delta Estuary. There is suitable estuarine wetland and slough habitat for delta smelt and longfin smelt (State Threatened) adjacent to the project site. However, implementation of **Mitigation Measures BIO-1a** through **BIO-1f** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than Significant with Mitigation Incorporated.

3.4.5.3 BIO-2 Mitigation Measures

- **Mitigation Measure BIO-1a:** General Work Site Best Management Practices
- **Mitigation Measure BIO-1b:** Spill and Accidental Discharge Prevention
- **Mitigation Measure BIO-1c:** Emergency Spill and Containment Plan
- **Mitigation Measure BIO-1d:** Stormwater Pollution Prevention Plan (SWPPP)
- **Mitigation Measure BIO-1e:** Demarcation of Limits of Work
- **Mitigation Measure BIO-1f:** Weed Spread Prevention

c. Would the proposed Project have a substantial adverse effect on state or federally protected wetlands (including but not limited to marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption or other means? (BIO-3)

Potentially, without mitigation. The wetland and waterbodies delineation and habitat assessment identified that no wetland or marsh habitats occur within the project site, however wetlands were identified adjacent to the project study area. Implementation of **Mitigation Measures BIO-1a** through **BIO-1f** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than Significant with Mitigation Incorporated.

3.4.5.4 BIO-3 Mitigation Measures

- **Mitigation Measure BIO-1a:** General Work Site Best Management Practices
- **Mitigation Measure BIO-1b:** Spill and Accidental Discharge Prevention
- **Mitigation Measure BIO-1c:** Emergency Spill and Containment Plan
- **Mitigation Measure BIO-1d:** Stormwater Pollution Prevention Plan (SWPPP)
- **Mitigation Measure BIO-1e:** Demarcation of Limits of Work
- **Mitigation Measure BIO-1f:** Weed Spread Prevention

d. Would the proposed Project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of wildlife nursery sites? (BIO-4)

Potentially, without mitigation. Special-status fish that could be present or migrating through the wetlands adjacent to the project site during construction include the federally endangered delta smelt and state threatened longfin smelt. However, implementation of the **BIO-1 Mitigation Measures** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than Significant with Mitigation Incorporated.

BIO-4 Mitigation Measures

To ensure that marsh areas are protected from accidental habitat degradation, implementation of the following mitigation measures would reduce impacts to native nursery sites such that impacts would be less than significant:

- **Mitigation Measure BIO-1a:** General Work Site Best Management Practices
- **Mitigation Measure BIO-1b:** Spill and Accidental Discharge Prevention
- **Mitigation Measure BIO-1c:** Emergency Spill and Containment Plan
- **Mitigation Measure BIO-1e:** Demarcation of Limits of Work
- **Mitigation Measure BIO-1f:** Weed Spread Prevention

- To ensure protection for the movement of any native resident or migratory fish or wildlife species, established native resident or migratory wildlife corridors, and the use of wildlife nursery sites, implementation of the following mitigation measures is required:

- **Mitigation Measure BIO-1h:** Preconstruction Nesting Bird Surveys
- **Mitigation Measure BIO-1i:** California Ridgway's Rail Surveys

e. Would the proposed Project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? (BIO-5)

No. There are no protected trees located on the project site. The proposed Project complies with the Tree Preservation and Protection policies in Article XIX of Chapter 18.84 of the Pittsburg Municipal Code (PMC).

Significance Level: No impact. No mitigation required.

f. Would the proposed Project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional or state habitat conservation plan? (BIO-6)

No. The proposed Project is not located within the East Contra Costa County Habitat Conservation Plan/Natural Community Conservation Plan (ECCC HCP/NCCP) Plan Area, and the land cover map associated with the HCP does not show a designation for the project site.

Significance Level: No impact. No mitigation required.

3.4.6 References

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3.5 CULTURAL AND TRIBAL CULTURAL RESOURCES

3.5.1 Introduction

This chapter describes the cultural and tribal cultural resources that might be affected by the proposed H Cycle Pittsburg Renewable Hydrogen Project (Project). The purpose of the chapter is to identify and evaluate the potential for the proposed Project to adversely affect archaeological, historical, and tribal cultural resources.

The following sections provide information on the regulatory context, including state and local laws and policies as well as providing information on the regional setting and existing conditions within the proposed project area. A qualitative analysis of potential effects to cultural and paleontological resources associated with the proposed Project is provided in Section 3.7, Geology and Soils. Mitigation measures to reduce, avoid or eliminate effects to a less than significant level are also provided, where appropriate.

Guidelines and key sources of data used in the preparation of this chapter include the following:

- Northwest Information Center of the California Historical Resources Information System;
- City of Pittsburg General Plan (City of Pittsburg, 2001);
- Archeological Reconnaissance Survey (TRC, October 2023; Appendix E of this EIR)
- Native American Heritage Commission

3.5.2 Environmental Setting

The following sections provide information on the regulatory context, including state and local laws and policies as well as providing information on the regional proposed Project setting and cultural resources within the proposed project area.

3.5.2.1 Regulatory Context

Numerous laws and policies pertain to the protection or handling of fossils, prehistoric and historic artifacts, burials, sites of religious or cultural significance to Native American groups, and historic structures. The following discussion includes the criteria outlined in federal, state and local regulations for a resource to be considered as having cultural or historical significance. The criteria for evaluating significant impacts to cultural resources under CEQA are provided in the Section 3.5.3, “Impact Analysis.”

3.5.2.1.1 State Regulations

California Environmental Quality Act (CEQA), California Public Resources Code (PRC) § 21083.2 and 21074 and CEQA Guidelines California Code of Regulations (CCR), Title 14, Section 15064.5

CEQA Guidelines Section 15064.5 provides specific guidance for determining the significance of impacts on historic and unique archaeological resources. Under CEQA, these resources are called historical resources whether they are of historic or prehistoric age. CEQA PRC § 21084.1 defines historical resources as those listed, or eligible for listing, in the California Register of Historical Resources (CRHR), or those listed in the historical register of a local jurisdiction (county or city). NRHP historic properties located in California are considered historical resources for the purposes of CEQA and are also listed in the CRHR. The CRHR criteria for listing such resources are based on, and are very similar to, the NRHP criteria. CEQA PRC § 21083.2 and CEQA Guidelines § 15064.5(c) provide further definitions and guidance for archaeological sites and their treatment. Section 15064.5 also prescribes a process and procedures for addressing the existence of, or probable likelihood of, Native American human remains, as well as the unexpected discovery of any human remains within the proposed project area. This includes consultations with appropriate Native American tribes.

California Register of Historical Resources (CRHR)

The CRHR is a guide to cultural resources that must be considered when a government agency undertakes a discretionary action subject to CEQA. CRHR, in PRC § 5024.1(a), helps government agencies identify and evaluate California's historic resources, and indicates which properties are to be protected, to the extent prudent and feasible, from substantial adverse change. Any resource listed in or eligible for listing in CRHR is to be considered during the CEQA process.

To determine its historical significance, a cultural resource is evaluated under four CRHR criteria that are very similar to the NRHP criteria. For a resource to have historical significance, it must be in accordance with the one or more of the following criteria specified in PRC § 15064.5(a)(3):

- Is associated with events that have made a significant contribution to the broad pattern of California's history and cultural heritage;
- Is associated with the lives of persons important in our past;
- Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
- Has yielded, or may be likely to yield, information important in prehistory or history.

CRHR criteria are similar to NRHP criteria and are tied to CEQA; any resource that meets the above criteria and retains sufficient historic integrity, is a historical resource under CEQA.

In addition to meeting one or more of the above criteria, CRHR requires that sufficient time must have passed to allow a "scholarly perspective on the events or individuals associated with

the resource.” Fifty years is specified as an estimate of the time needed to understand the historical importance of a resource in California Code of Regulations (CCR) Title 14(11.5) §4852 (d)(2). The California Office of Historic Preservation (OHP) recommends documenting and taking into consideration during the planning process, any cultural resource that is 45 years or older.

CRHR also requires a resource to possess integrity, which is defined as “the authenticity of a historical resource’s physical identity evidenced by the survival of characteristics that existed during the resource’s period of significance.” Integrity is evaluated with regard to the retention of location, design, setting, materials, workmanship, feeling, and association.

Resources that are significant, meet the age guidelines, and possess integrity will generally be eligible for listing in the CRHR.

California PRC § 5097

As part of the determination made pursuant to PRC § 21080.1, the lead agency will determine whether a project may have a significant effect on archaeological resources.

CEQA defines a “unique archaeological resource” as an archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets one or more of the following criteria:

- Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information;
- Has a special and particular quality such as being the oldest of its type or the best available example of its type; or
- Is directly associated with a scientifically recognized important prehistoric or historic event or person. CEQA further defines a “historical resource” as a resource that meets any of the following criteria:
 - A resource listed in, or determined to be eligible for listing in, CRHR;
 - A resource listed in a local register of historical resources, as defined in PRC §5020.1(k);
 - A resource identified as significant (e.g., rated 1-5) in a historical resource survey meeting the requirements of PRC §5024.1(g); or
 - Determined to be a historical resource by a project’s lead agency.

Any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be a historical resource.

If the cultural resource in question is an archaeological site, CEQA requires that the lead agency first determine if the site is a historic resource as defined in CCR Title 14(3) § 15064.5(a).

If the site qualifies as a historical resource, potential adverse impacts must be considered in the same manner as a historical resource. If the archaeological site does not qualify as a historical resource but does qualify as a unique archaeological site, then the archaeological site is regulated by PRC § 21083.2.

If an impact to a historic or unique archaeological resource is significant, CEQA requires feasible measures to minimize the impact. Mitigation of significant impacts must lessen or eliminate the physical impact that a project will have on the resource. Generally, the use of drawings, photographs, and/or displays does not mitigate the physical impact on the environment caused by demolition or destruction of a historic resource. However, CEQA requires that all feasible mitigation be undertaken even if it does not mitigate impacts to a level that is less than significant.

Tribal Cultural Resources

On September 25, 2014, California's Governor signed Assembly Bill No. 52 (AB 52) creating an environmental resource category called "tribal cultural resources" that must be considered under CEQA.

"Tribal cultural resources" are defined as either of the following:

1. sites, features, places cultural landscapes, sacred places and objects with cultural value to a California Native American tribe" that are included in the state register of historical resources or a local register of historical resources, or that are determined to be eligible for inclusion in the state register; or
2. resources determined by the lead agency, in its discretion, to be significant based on the criteria for listing in the state register.

AB 52 recognizes that tribes may have expertise with regard to their tribal history and practices and requires lead agencies to provide notice to tribes that are traditionally and culturally affiliated within the geographic area of a proposed project if they have requested notice of projects proposed within that area.

If a tribe requests consultation within 30-days upon receipt of the notice, the lead agency must consult with the tribe. Consultation may include discussing the type of environmental review necessary, the significance of tribal cultural resources, the significance of the project's impacts on the tribal cultural resources, and alternatives and mitigation measures recommended by the tribe.

The parties must consult in good faith, and consultation is deemed concluded when either the parties agree to measures to mitigate or avoid a significant effect on a tribal cultural resource (if such a significant effect exists) or when a party concludes that mutual agreement cannot be reached.

TRC Solutions, Inc. (TRC) sent the Sacred Lands File Request to the NAHC on July 21, 2023 and forwarded the NAHC's response to the City to begin Tribal Consultation. On August 2, 2023, the City sent a formal invitation to consult on the proposed Project to the following tribal representatives:

Amah Mutsun Tribal Band of Mission San Juan Bautista

- Irene Zwierlein, Chairperson

Chicken Ranch Rancheria of Me-Wuk Indians

- Lloyd Mathiesen, Chairperson

Confederated Villages of Lisjan Nation

- Cheyenne Gould, Tribal Cultural Resource Manager
- Corrina Gould, Chairperson

Guidiville Rancheria of California

- Donald Duncan, Chairperson
- Michael Derry, Historian

Indian Canyon Mutsun Band of Costanoan

- Ann Marie Sayers, Chairperson
- Kanyon Sayers-Roods, MLD Contact

Muwekma Ohlone Indian Tribe of the SF Bay Area

- Monica Arellano, Vice-Chairwoman

Nashville Enterprise Miwok-Maidu-Nishinam Tribe

- Cosme Valdez, Chairperson

North Valley Yokuts Tribe

- Katherine Perez, Chairperson
- Timothy Perez

The Ohlone Indian Tribe

- Andrew Galvan, Chairperson
- Desiree Vigil, THPO
- Vincent Medina, Tribal Consultant

Tule River Indian Tribe

- Joey Garfield, Tribal Archaeologist
- Kerri Vera, Environmental Department
- Neil Peyron, Chairperson

Wilton Rancheria

- Dahlton Brown, Director of Administration
- Jesus Tarango, Chairperson
- Steven Hutchason, THPO

The consultation will not limit the ability of the tribe to submit information to the City regarding the significance of the tribal cultural resources, the significance of the proposed Project's impact on tribal cultural resources, or any appropriate measures to mitigate the potential impacts. To date the City has not received any requests for consultation from any tribes or representatives listed above.

3.5.2.1.2 Local Regulations

City of Pittsburg 2020 General Plan

The City of Pittsburg 2020 General Plan (2020) contains the following policies in the "Resource Conservation Element," which are relevant to the proposed Project:

- Policy 9-P-39: Ensure the protection of known archeological resources in the City by requiring a records review for any development proposed in areas of known resources. If such resources are found, urban development in the vicinity is either limited or the resources must be accounted for.
- Policy 9-P-40: In accordance with State law, ensure the preparation of a resource mitigation plan and monitoring program by a qualified archaeologist in the event that archeological resources are uncovered.
 - CEQA requires the evaluation of any archeological resource on the site of a development project. State law also protects these resources. City involvement in the identification, mitigation, and monitoring of project impacts on these resources will ensure the protection of Pittsburg's cultural heritage.
- Policy 9-P-41: If archeological resources are found during ground-breaking for new urban development, halt construction immediately and conduct an archeological investigation to collect all valuable remnants.

In addition to the goals and policies listed above, the General Plan includes an inventory of historical resources within the City limits. The resource sites are all located outside of the proposed project area and within the 0.5-mile buffer, and as such, none would be affected as a result of the proposed Project.

3.5.2.2 Regional Setting and Existing Condition

3.5.2.2.1 Natural Conditions

The project site is located along the New York Slough and south of Suisun Bay in Contra Costa County (County), California, within the larger San Francisco Bay Area. The region in which the

proposed Project is located has a Mediterranean climate and supports a variety of wetland communities and grasslands. The project area was marshland until the 1950's, and the continuous presence of water in the surrounding area can be witnessed through the soil formations of alluvial fans and stream terraces. Capay Clay (CaA) is on slopes of 0-3 percent and Rincon Clay Loam (RbD) is on slopes of 9-15 percent. In general, the project site slopes to the north-northeast and sits 14 feet above sea level.

3.5.2.2.2 Historic Resources

The Pittsburg area's modern history began when the Mexican government granted 8,859 acres of land to Jose Antonio Mesa and Jose Miguel Garcia to found Rancho Los Medanos (Sand Dune Ranch) in 1839. Jonathan D. Stevenson purchased half of Rancho Los Medanos in 1847 and laid out a town site originally named New York of the Pacific. The name was later changed to New York Landing when it served as a way station during the California Gold Rush. The City's reputation as an industrial area was established in 1855 when coal was discovered in the southern hills, and its residents adopted the name Black Diamond after the mining firm that built the Black Diamond Coal Mining Railroad to nearby Nortonville. In 1911, with the opening of the first steel mill, the residents changed the name to Pittsburg in honor of the hub of the steel industry, Pittsburgh, Pennsylvania (City of Pittsburg, 2001), and in celebration of the town's growing industrial potential.

Camp Stoneman, a United States Army military reservation, was activated in Pittsburg in 1942 during the early years of World War II. Some 45,000 troops were stationed at the camp during the war, which served as a major staging area and point of embarkation for the Pacific Theater. At the end of the war, activity in Pittsburg declined, just as it did in other wartime boomtowns, signaling an end to much of the prosperity the City had enjoyed. Camp Stoneman saw a slight resurgence in activity during the Korean War, but in 1954, shortly after the end of the war, the camp was placed on inactive status and many local businesses closed or relocated, often to neighboring communities where commercial development was thriving. Today, however, Pittsburg is an important industrial center for the County (City of Pittsburg, 2001).

On September 25, 2023, a records search was conducted for the proposed project site and a 0.5-mile buffer at the California Historical Resources Information System (CHRIS) Northwest Information Center (NWIC). The records search included review of the NRHP, CRHR, California Historical Landmarks (CHL), California Points of Historical Interest, and the California OHP's Historic Resource Inventory listings for the County. The *Contra Costa County Historic Inventory Draft Update 2010*, includes what once was the Dow Chemical Company's Pittsburg plant as a structure of historic significance: "Production began July 1, 1916, at [T]he Dow Chemical Company's Pittsburg plant. Owned then by the Great Western Electro-Chemical Company, the Pittsburg plant has grown to become the largest chemical production complex in the Western United States. The plant, which now occupies 450 acres of land and one mile of frontage along the San Joaquin River, was formerly a part of the old Rancho Los Medanos" (CCCCDD 2010).

3.5.2.2.3 Archeological Resources

Ethnography

The project site lies within the traditional territory of the Bay Miwok, and the property was likely inhabited by the Ompin tribelet. This conclusion is based on examination of ethnographic accounts and historic maps (Heizer 1971; Levy 1978).

The Bay Miwok is one of five separate linguistic and cultural groups comprising the Eastern Miwok, which also includes the Plains Miwok and Northern Sierra, Central Sierra, and Southern Sierra Miwok. The Bay Miwok, or Saclan, occupied the eastern portions of the County from Walnut Creek eastward to the Sacramento-San Joaquin delta (Levy 1978). The primary political unit was the tribelet. Composed of several semi-sedentary settlements and numerous seasonally occupied camps, the tribelet represented an independent, sovereign nation that defined and defended a territory. The tribelet chief served as the voice of legal and political authority in the tribelet; this was usually a hereditary position. The basic subsistence strategy of the Bay Miwok was mobile hunting and gathering. This was motivated by seasonal variations in resource availability, which forced the Bay Miwok to exploit resources outside the immediate vicinity of its permanent settlements. Hunting was accomplished with the aid of the bow and arrow, traps, and snares. Animal foods consisted of deer; elk; antelope; rodents; waterfowl; quail, pigeons, flickers and other birds; freshwater mussels and clams; land snails; fish; and a variety of insects. The staple harvest was acorns, although various seeds, roots, and green plants were also procured, and the only cultivated crop was tobacco. An ample supply of seed-bearing annuals and forage for game was assured by intentional burning in August. Bay Miwok houses were thatched structures, built by arranging poles in a conical framework and applying brush, grass, or tules externally. Two types of assembly houses were constructed. One was a large, semi-subterranean type where community activities occurred; the other was a circular brush structure used for summer mourning ceremonies. Miwok technology included bone, stone, antler, wood, and textile tools. Basketry items included seed beaters, cradles, sifters, rackets used in ball games, and baskets for storage, winnowing, parching, and carrying burdens. Other textiles included mats and cordage. Tule balsas were constructed for navigation on rivers and in the Delta. A sweathouse (used for the curing of disease and for purification prior to deer hunting), acorn granaries, menstrual huts, and conical grinding huts over bedrock mortars were also found in Bay Miwok settlements.

The Eastern Miwok first came into contact with Europeans in the second half of the eighteenth century, when Spanish explorers entered Miwok territory. The Bay Miwok were the first to be affected by attempts of Spanish missionaries to convert Native Americans to Christianity. It appears that many Bay and Plains Miwok tribelets disappeared from their homelands through combined effects of population removal to the missions at San Francisco and San Jose as well as disease introduced by Europeans. The first recorded Bay Miwok converts came from the Saclan tribelet to Mission San Francisco de Solano in Sonoma in 1794 (Levy 1978:400). Over the first decades of the 19th century, the Eastern Miwok suffered significant population loss as they succumbed to European-introduced diseases. After California was annexed by the United States, some Miwok were displaced to Central Valley locations, yet many remained on the rancherias established in the Sierra Nevada foothills. During the late 19th and early 20th centuries, the Miwok living on the foothill rancherias adapted to new economic patterns, including seasonal wage labor on ranches and farms, augmenting subsistence through hunting and gathering (Levy 1978:400-401). Although this early contact with settlers had a profoundly negative impact on the Miwok population,

both through disease and violent actions, the Miwok people survive and maintain strong communities and action-oriented organizations.

3.5.3 Impact Analysis

3.5.3.1 Methodology

3.5.3.1.1 Cultural Resources

A desktop review including a records search of the NRHP, the CRHR, CHL, California Points of Historical Interest, and The California OHP's Historic Resource Inventory listings for the County was conducted on September 25, 2023, covering the area of the project site and a 0.5-mile buffer. Three previous cultural resources surveys were conducted partially within the current proposed project area (see Table 3.5-1), however no archaeological resources were identified in the proposed project sites. A search of the Sacred Lands File maintained by the Native American Heritage Commission (NAHC) was also completed on August 7, 2023. This search failed to indicate the presence of Native American cultural resources in the immediate proposed Project area (NAHC 2023). An archeological reconnaissance survey of structures that would be demolished as a result of the proposed Project was conducted on September 22, 2023. This search failed to indicate the presence of Native American cultural resources in the immediate proposed project area but did document two historic era items within the immediate proposed project area. These included one historic water tower (REJ-092223-STR-01) previously used by the Dow Chemical Plant, and three railway spurs (P-07-000806) which divert from the Atchison, Topeka, and Santa Fe Railroad.

Table 3.5-1: Previous Cultural Resources Studies Within 0.5 Mile of the Project Area

Report Number	Author	Year	Report Title	Relationship to Project Area
S-007386	David Chavez	1985	Cultural Resources Evaluation for the Delta Landing EIR/EIS, Antioch, Contra Costa County, California.	Outside (within 0.5 mile)
S-007647		1985	Cultural Resource Investigation of the Proposed Pittsburg Marina Expansion Project.	Within Project Area
S-031405	James M. Allan	2006	Archaeological Survey and Cultural Resources Assessment for the city of Antioch's proposed Antioch Recycled Water Pipeline project (letter report)	Outside (within 0.5 mile)
S-035196	Allen Estes, Aimee Arrigoni, David Buckley, James Allan, and William Self	2006	Cultural Resource Assessment Delta Diablo Sanitation District and the city of Antioch Recycled Water Pipeline Extension Project, Antioch, Contra Costa County, California	Outside (within 0.5 mile)
S-035196	Milford Wayne Donaldson and Susan M. Fry	2007	BUR070508H; Proposed Extension of a Recycled Water Pipeline with the city of Antioch, Contra Costa County, California (07-SCAO-086)	Outside (within 0.5 mile)

Table 3.5-1: Previous Cultural Resources Studies Within 0.5 Mile of the Project Area

Report Number	Author	Year	Report Title	Relationship to Project Area
S-037097	Aimee Arrigoni and Thomas Young	2010	Cultural Resource Assessment Report Supplement Delta Diablo Sanitation District and the city of Antioch Recycled Water Pipeline Extension Project, Antioch, Contra Costa County, California	Outside (within 0.5 mile)
S-046909	Aisha Rahimi-Fike	2015	Delta Diablo Recycled Water System Expansion Project, Historical Resources Inventory and Evaluation Report, Contra Costa County, California	Outside (within 0.5 mile)
S-046909		2015	Delta Diablo Recycled Water System Expansion Project, Archaeological Inventory Report, Contra Costa County, California	Outside (within 0.5 mile)
S-050521	Heidi Koenig	2017	Antioch Brackish Water Desalination Project, Cities of Antioch And Pittsburg, Contra Costa County, Cultural Resources Survey Report	Within Project Area
S-050521	Heidi Koenig	2019	Cultural Resources Survey Report, Antioch Brackish Water Desalination Project, Cities of Antioch and Pittsburg, Contra Costa County, Revised 2019	Within Project Area
S-010040	Allan Bramlette, Mary Praetzellis, Adrian Praetzellis, and David A. Fredrickson	1988	Archaeological and Historical Resources Within the Los Vaqueros/Kellogg Study Area, Contra Costa and Alameda Counties, California	Outside (within 0.5 mile)
S-010040	Allan G. Bramlette, Mary Praetzellis, Adrian Praetzellis, Katherine M. Dowdall, Patrick Brunmeier, and David A. Fredrickson	1991	Archaeological Resources Inventory for Los Vaqueros Water Conveyance Alignments, Contra Costa County, California	Outside (within 0.5 mile)
S-018352		1976	East/Central Contra Costa County Wastewater Management Plan, California: Cultural Resources Survey	Outside (within 0.5 mile)
S-018352	Adam Cvijanovic and Larry Aull	1976	Assessment of Historical and Architectural Resources	Outside (within 0.5 mile)
S-018352	Colin I. Busby	1976	Assessment of Archaeological Resources: East/Central Contra Costa County Wastewater Management Plan	Outside (within 0.5 mile)
S-018440	G. James West and Patrick Welch	1996	Class II Archaeological Survey of the Contra Costa Canal, Contra Costa County, California	Outside (within 0.5 mile)

Table 3.5-1: Previous Cultural Resources Studies Within 0.5 Mile of the Project Area

Report Number	Author	Year	Report Title	Relationship to Project Area
S-022929	Sara M. Atchley	2000	Positive Archaeological Survey and Historic Resources Evaluation Report for the State Route 4/Loveridge Road Flood Relief Project - Kirker Creek, city of Pittsburg, Contra Costa County	Outside (within 0.5 mile)
S-022929	Aimee Dour-Smith	2000	State Route 4 Flood Relief Project on Kirker Creek- Supplement to Archaeological Survey Report	Outside (within 0.5 mile)
S-022929	Janice C. Calpo	2000	Historic Architectural Survey Report for the State Route 4/Loveridge Road Flood Relief Project- Kirker Creek, city of Pittsburg, Contra Costa County	Outside (within 0.5 mile)
S-024322	Sally Morgan and Bruce Bachand	1998	Pittsburg District Energy Facility, Cultural Resources Technical Report (Appendix K)	Outside (within 0.5 mile)
S-024322	Sally Morgan and Bruce Bachand	1998	Pittsburg District Energy Facility, Cultural Resources Technical Report (Supplement to Appendix K)	Outside (within 0.5 mile)
S-024322		2000	Pittsburg District Energy Facility Cultural Resources, Technical Report Addendum 1, Appendix K (Additional Construction Laydown Area)	Outside (within 0.5 mile)
S-030387	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	2005	Historical Resources Compliance Report, Burlington Northern Santa Fe Railway Double Track Project (Segment 2), Oakley (MP 1146.1) to Port Chicago (MP 1164.4), In and Near the Cities of Oakley, Antioch, and Pittsburg, and the Port Chicago Naval Weapons Station, Contra Costa County, California	Outside (within 0.5 mile)
S-030387	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	2005	Archaeological Survey Report/Historical Resource Evaluation	Outside (within 0.5 mile)
S-030579	Colin I. Busby	2004	Cultural Resources Report, Delta Energy Center Site (DEC) and Associated Linears, Cities of Pittsburg and Antioch, Contra Costa County, California, California Energy Commission (CEC), Project 98- AFC-3C	Within Project Area
S-035861	Bai "Tom" Tang	2009	Historic Property Survey Report, proposed undertaking to upgrade the capacity of the Burlington Northern Santa Fe (BNSF) Railway's mainline from Mile Post (MP) 1146.1 to MP 1164.4, between the city of Oakley and the Port Chicago Naval Weapons Station in Contra Costa County	Outside (within 0.5 mile)

Table 3.5-1: Previous Cultural Resources Studies Within 0.5 Mile of the Project Area

Report Number	Author	Year	Report Title	Relationship to Project Area
S-035861	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	2009	Archaeological Survey Report/Historical Resource Evaluation Report, Burlington Northern Santa Fe Railway Double Track Project (Segment 2), In and near the Cities of Oakley, Antioch, and Pittsburg and the Port Chicago Naval Weapons Station, Contra Costa County, California	Outside (within 0.5 mile)

The records search identified three previously recorded historic-era resources within 0.5-mile of the project area yet zero within the project location (see Table 3.5-2). These resources include one railroad, the approximate location of the Great Western Electrical-Chemical Company (the western part of the Dow Facility), and the former site of the Camp Stoneman Wastewater Treatment facility and associated features. It is anticipated that none of these previously recorded resources within the 0.5-mile radius will be impacted by the proposed Project.

Table 3.5-2: Previously Recorded Cultural Resources Within 0.5 Mile of the Project Area

Primary Number	Trinomial	Resource Type	Description	Recorder(s) and Year(s)	Relationship to Project Area	NRHP/CRHR Status
P-07-000806	CA-CCO-000732H	Historic (AH7; HP39)	Atchison, Topeka & Santa Fe Railroad	1995 (Brian Hatoff, Woodward Clyde); 1995 (Brian Hatoff, Woodward Clyde); 1995 (Brian Hatoff, Woodward Clyde); 1995 (Brian Hatoff, Woodward Clyde); 1996 (Ward Hill, [none]); 1998 (S. Ashkar, Jones & Stokes Associates, Inc.); 1998 (Meta Bunse, JRP Historical Consulting); 1999 (S. Atchley, G. Roark, Jones & Stokes Associates, Inc.); 2004 (Josh Smallwood, CRM Tech); 2009 (J. Lang, GANDA); 2016 (Polly S. Allen, JPR Historical Consulting)	Outside (within 0.5 mile)	Recommended Not Eligible
P-07-001086	N/A	Historic building (HP08)	Great Western Electrical	1976 (C. A. Faren, Contra Costa County Planning Dpt.)	Outside (within 0.5 mile)	Unknown

Table 3.5-2: Previously Recorded Cultural Resources Within 0.5 Mile of the Project Area

Primary Number	Trinomial	Resource Type	Description	Recorder(s) and Year(s)	Relationship to Project Area	NRHP/CRHR Status
			Chemical, Dow Chemical Co			
P-07-004995	CA-CCO-000869H	Historic site (AH2; AH4)	Camp Stoneman Wastewater Treatment Facility	2022 (Ronnie Johnson, TRC Companies)	Outside (within 0.5 mile)	Recommended Not Eligible

3.5.3.1.2 Standards of Significance

Criteria for determining the significance of impacts related to cultural resources are based on the environmental checklist form in Appendix G of the State CEQA Guidelines § 15000 et seq. An impact related to cultural resources would be considered significant if any of the following would occur with implementation of the proposed Project:

- a. Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5;
- b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5;
- c. Disturb any human remains, including those interred outside of dedicated cemeteries.
- d. Cause a substantial, adverse change in the significance of a tribal resource as defined in PRC 21074 §

Areas of No Project Impact.

The above significant impacts a, b, and d can be managed for the proposed Project and result in a finding of No Impact by following the Mitigation Measures outlined in Section 3.5.3.2 Impact Determinations below. Impact analysis and mitigation measures for impact c are covered in Chapter 3.7 with the discussion of the proposed Project in relation to geology and soils.

A cultural resources records search was conducted for the proposed Project on September 25, 2023, by the staff at the CHRIS Northwest Information Center. The records search included review of the NRHP, the CRHR, CHL, California Points of Historical Interest, and the California OHP's Historic Resource Inventory listings for the County.

The record search revealed that the western portion of the Dow Facility, which was part of the Great Western Electro-Chemical Company of 1916, is on the Office of Historical Preservation list of historic properties for the County as of April 5, 2012, under a 7R code (identified reconnaissance level survey not evaluated) and assigned the identification tag P-07-001086. However, this portion of the Dow Facility is generally west of Loveridge Road and would not be

affected by the proposed Project. The record search also revealed that the Atchison Topeka and Santa Fe Railroad (P-07-000806), just south of the Dow Facility, is considered a historic resource as of August 2009. In addition, Camp Stoneman Wastewater Treatment Facility (P-07-004995) was included in a survey in 2022 and is considered a historic site, however it is located outside of the project area and will not be affected.

One cultural resources reconnaissance survey of structures and cultural resources that would be demolished or affected as a result of the proposed Project was conducted on September 22, 2023. The survey consisted of walking the proposed project area and noting any structures in the Area of Potential Effect (APE) that appeared to be at least 50 years old. The site visit, documentation provided by Dow, and review of aerial photographs and topographic maps revealed one water tower and three railway spurs within the proposed project site that dated to the 1950's. Topographic maps also showed the presence of the Dowest Slough which ran through the northwest portion of the current project area between 1937 and 1952. The slough was backfilled and is no longer visible on topographic maps or aerial photographs. As a result of extensive development by previous property owners to enhance the area, the entirety of the project area has experienced substantial disturbance. This has led to a limited presence of native soils, with a significant portion of the property being covered by pavement and fill materials.

The historic-era water tower, REJ-092223-STR-01, is located in the northeastern section of the project area. It was in use from the 1950's to the 1980's and stands at approximately 100-feet tall with a diameter of 30-feet. The structure is composed of a circular tank that is supported by four steel support columns and a central riser pipe. Surrounding the tank is a balcony with a handrail. The southeast leg features a ladder extending from the ground up to the tank, as well as three levels of support struts and four levels of tie rods. No artifacts or features were identified in association with this water tower.

The three railway spurs (P-07-000806/CA-CCO-732) are situated in the southwestern section of the project area and extend beyond it to the southwest. Two of the railway spurs extend from P-07-000806, running the entire length of the project area in a west-to-east direction, covering approximately 875 feet. The third railway spur runs north to south for 400 feet, leading to an unknown storage building. Each rail is currently occupied by train cars. There was also an isolated railway spike identified adjacent to the middle railway spur on the north side.

These structures do not appear to have been significant within the context of Pittsburg's industrial history or Dow's company history, nor do the structures appear to be associated with persons who made significant contributions to history. They also do not display architectural significance. Lacking historical significance, the structures do not meet the criteria for listing in the CRHR and, therefore, are not considered historical resources for the purpose of CEQA.

No additional archaeological or historical resources were identified in the project area. The overall heavily disturbed context of the project area and presence of imported soils lessen that chance of encountering intact subsurface cultural resources and human remains during the construction and operation of the proposed Project.

3.5.3.2 Impact Determination

3.5.3.2.1 Construction-Related Impacts

- a. **Would the construction of the proposed Project cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5e? (CR-C1)**

Potentially, without mitigation. Construction activities are associated with the demolition and removal of the current structures in place, which includes ground disturbing activities (e.g., grading or excavation). The cultural resources record search found no previously recorded historical resources within the project footprint but indicated that a total of 27 cultural resource studies had been completed within a 0.5-mile of the project site, three of which included part of the current project area. During the survey of the current project area, one historic-era water tank was recorded, and a site update was made to include three railway spurs, all of which were deemed to be insignificant. During background research it was discovered that the property is graded and much of the soil has been previously disturbed or is sterile fill. As a result, Phase 1 of the proposed Project would have little to no impact on previously unrecorded historical resources, and the potential for subsurface historical sites is relatively low. Such resources could be discovered through subsurface construction activities, such as proposed grading and excavation at these Phase 2 work areas. If buried historical resources are encountered during construction, disturbance could result in the loss of integrity of cultural deposits, loss of information, and the alteration of a historical site setting. Inadvertent exposure of historic-era archaeological resources in an accessible area could make the resources susceptible to vandalism. Inadvertent discovery of historic-era archaeological resources during construction would result in a potentially significant impact. Implementation of **Mitigation Measures CR-C1a** and **CR-C1b**, which involves the implementation of an inadvertent discovery plan during any proposed grading and construction activities and preconstruction worker awareness training, would ensure that potential impacts of the proposed Project would remain less than significant.

Significance Level: Less than Significant with Mitigation Incorporated.

CR-C1 Mitigation Measures

- **Mitigation Measure CR-C1a: Prepare and Implement an Inadvertent Discovery Plan.** The following measures shall be included on all plans and employed by the Applicant and its contractors to avoid and minimize impacts to historical and archaeological resources at the project site:
 - A plan for the inadvertent discovery of historic or cultural resources, or human remains will be prepared. If unanticipated cultural resources (historic or prehistoric artifacts, concentrations of shell, burnt or unburnt bone, stone features, etc.) are uncovered during grading or excavation activities, work immediately within 50 feet of the discovery of the find shall be halted, the City of Pittsburg Planning Division shall be notified, and a professional archaeologist that meets the Secretary of the Interior's Standards and Guidelines for Professional Qualifications in archaeology and/or history shall be retained to determine the significance of the discovery. A mitigation plan shall include such measures as avoidance, preservation in place, excavation, documentation, curation, data recovery, or other appropriate measures.

The City shall consider mitigation recommendations presented in the mitigation plan. The Applicant shall be required to implement any mitigation necessary for the protection of cultural resources before ground-disturbing activities may resume.

- **Mitigation Measure CR-C1b: Provide Preconstruction Worker Awareness Training.** The following measure shall be included on all plans and employed by the Applicant and its contractors to avoid and minimize impacts to historical and archaeological resources at the project site:
 - As part of construction personnel training, the city of Pittsburg (City) shall ensure that all construction personnel receive training that includes: 1) information on the possibility of encountering human or animal remains during construction; 2) the types of cultural resources are likely to be seen; and 3) proper procedures in the event of any inadvertent discovery. Worker training shall be prepared and presented by a qualified archaeologist.

b. Would the construction of the proposed Project cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5? (CR-C2)

Potentially, without mitigation. Construction activities are associated with the demolition and removal of the current structures in place, which includes ground disturbing activities (e.g., grading or excavation). The archaeological record search found no previously recorded archaeological resources within the project footprint but indicated that a total of 27 cultural resource studies had been completed within a 0.5-mile of the project site, three of which included part of the current project area. During background research it was discovered that the property is graded and much of the soil has been previously disturbed or is sterile fill. As a result, Phase 1 of the proposed Project would have little to no impact on previously unrecorded archeological resources, and the potential for subsurface intact archaeological sites is relatively low. Such resources could be discovered through subsurface construction activities into native soils, such as proposed grading and excavation at these Phase 2 work areas. If buried cultural resources are encountered during construction, disturbance could result in the loss of integrity of cultural deposits, loss of information, and the alteration of an archaeological site setting. Inadvertent exposure of pre-historic or historic-era archaeological resources in an accessible area could make the resources susceptible to vandalism. Inadvertent discovery of pre-historic or historic-era archaeological resources during construction would result in a potentially significant impact. Implementation of **Mitigation Measures CR-C2a** and **CR-C2b**, which involves the implementation of an inadvertent discovery plan during any proposed grading and construction activities and preconstruction worker awareness training, would ensure that potential impacts of the proposed Project would be less than significant..

Significance Level: Less than Significant with Mitigation Incorporated.

CR-C2 Mitigation Measures

- **Mitigation Measure CR-C1a: Prepare and Implement an Inadvertent Discovery Plan.**

Mitigation Measure CR-C1b: Provide Preconstruction Worker Awareness Training. c. Would the construction of the proposed Project potentially disturb human remains, including those interred outside of formal cemeteries? (CR-C3)

Potentially, without mitigation. No formal cemeteries or human burials are known to have occurred on or near the project site, and any human remains that could be encountered would likely be associated with archeological or historical contexts. Activities associated with the demolition of existing structures and the construction of new structures would include ground disturbing activities (e.g., grading or excavation), therefore, Phase 2 of the proposed Project could have a potential impact on human remains, including those interred outside of formal cemeteries, however, the proposed Phase 2 Plan components occur on sites that have previously been subjected to grading and other earth-disturbing activities. The potential for human remains to be present and for construction activities to disturb these resources is extremely low. Implementation of **Mitigation Measures CR-C1a, CR-C1b, and CR-C2** would reduce potential impacts to a level that is less than significant. These consist of implementation of an inadvertent discovery plan, providing preconstruction worker awareness training, and include measures for the protection and treatment of burials in the event of discovery. Altogether, Implementation of the **CR-3 Mitigation Measures** ensure that potential impacts of the proposed Project would be less than significant..

Significance Level: Less than Significant with Mitigation Incorporated.

CR-C3 Mitigation Measure

- **Mitigation Measure CR-C1a: Prepare and Implement an Inadvertent Discovery Plan.**
- **Mitigation Measure CR-C1b: Provide Preconstruction Worker Awareness Training.**
- **Mitigation Measure CR-C2: Excavation/Grading Halt upon Human Burial or Bone Discovery.** The following measures shall be included on all plans and employed by HC (Contra Costa), LLC (Applicant) and its contractors to avoid and minimize impacts to historical and archaeological resources at the project site:
 - In the event of the discovery of a burial, human bone, or suspected human bone: 1) all excavation and grading in the vicinity of the find shall be halted immediately; 2) the area of the find shall be cordoned off; and 3) the Applicant shall immediately notify the County Coroner of the find and comply with provisions of PRC § 5097 with respect to Native American involvement, burial treatment, and re-burial, if necessary. If the coroner's office determines that the remains are Native American and not under its purview, it shall contact the Native American Heritage Commission as mandated by PRC § 5097.

3.5.3.2.2 Operational-Related Impacts

- a. **Would the operation of the proposed Project potentially disturb previously unrecorded historical or archaeological resources, or human remains? (CR-O1)**

No. During regular operations and maintenance activities of the proposed project there would be no impacts to archaeological resources or human remains, as no excavation would occur.

Significance Level: Less than Significant. No mitigation required.

b. Would the proposed Project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074? (CR-02)

No. CEQA section 21074.2 requires the lead agency to consider the effects of a project on tribal cultural resources. As defined in section 21074, tribal cultural resources are sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are listed or determined to be eligible for listing on the national, state, or local register of historic resources. Pursuant to CEQA section 21080.3.1(d), on August 2, 2023, the City of Pittsburg Planning Department contacted regional Native American individuals and organizations, providing a description of the project and requesting comments on the identification, presence, and significance of tribal cultural resources in the project vicinity. During the 30-day comment period, no Native American tribal representatives contacted the planning department to request consultation.

Project-related impacts on tribal cultural resources are site-specific and generally limited to a project's construction area. As noted above, Native American tribal representatives for the project area were contacted and asked to comment on the identification, presence, and significance of tribal cultural resources in the project vicinity; none of these representatives contacted the planning department to request consultation. In addition, TRC conducted a records search with the California Historical Resources Information System and did not identify any previously recorded precontact archaeological or tribal cultural resources. TRC also conducted an intensive level pedestrian survey to identify cultural resources. No precontact cultural resources were identified during this survey. The project area was heavily disturbed by prior industrial development and grading. For these reasons, the proposed project is not anticipated to have a significant impact on tribal cultural resources.

Significance Level: Less than Significant. No mitigation required.

3.5.4 References

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3.6 ENERGY

3.6.1 Introduction

This chapter describes the existing environmental setting, regulatory context, and potential environmental impacts related to energy resources that could result from construction and operation of the proposed H Cycle Renewable Hydrogen Project (Project). Where significant energy-related environmental impacts would result from construction and operation of the project, mitigation measures are identified that could reduce or eliminate the impact.

3.6.2 Existing Environmental Setting

This section provides an overview of the existing environmental setting as it relates to energy use by the proposed project. Energy in the context of this EIR concerns the following:

- Electricity, typically expressed in kilowatts (kW), megawatts (MW), or gigawatts (GW): used by the proposed Project primarily for lighting process equipment, pumps, compressors, mechanical equipment, power tools, and HVAC systems.
- Natural gas, typically expressed in British thermal units (Btu) or cubic feet: used by the proposed Project for boiler fuel, flare purge and pilot, and the OMNI conversion unit.
- Hydrogen (H₂), typically expressed in pounds or metric tons, is an “alternative fuel”¹¹: the primary output of the project.
- Liquid fuel such as gasoline and diesel, typically expressed in gallons or liters: used by the proposed Project for on-road motor vehicles, and off-road motor vehicles and heavy equipment.
- Renewable energy, such as from wind or the sun, typically expressed in kW, MW, or GW, is energy from a source that is not depleted when used: used by the proposed Project for operation vehicles, equipment, and systems.
- Energy efficiency, typically expressed as a percent of total energy input minus waste energy divided by energy output, defined by the US Department of Energy as “the use of less energy to perform the same task or produce the same result” (US DOE 2023): used by the proposed Project to minimize wasting energy.

¹¹ The energy in 2.2 pounds (1 kilogram) of hydrogen gas is about the same as the energy in 1 gallon (6.2 pounds, 2.8 kilograms) of gasoline (DOE 2023b).

3.6.2.1 Electricity

3.6.2.1.1 State of California

In 2022, based on California Energy Commission (CEC) data, 203,257 gigawatt hours (GWh) of electricity were generated in the State, using a mix of coal, natural gas, oil, nuclear, biomass, and other generators. An additional 83,962 GWh were imported, so the total State usage for 2022 was 287,220 GWh.

3.6.2.1.2 Contra Costa County

Pacific Gas & Electric (PG&E) is the primary provider of electricity for many of the cities throughout Contra Costa County (County). However, in 2018, Marin Clean Energy (MCE) became the primary electricity provider for several cities and portions of unincorporated Contra Costa County. In 2022, based on CEC data, 8,338 gigawatt hours (GWh) of electricity were consumed in the County.

3.6.2.1.3 City of Pittsburg

Pittsburg Power Company (PPC) is a California municipal Joint Powers Agency (JPA) established in 1997 between the city of Pittsburg (City) and the City's Redevelopment Agency. As a California JPA, PPC performs as an electric and natural gas municipal utility, with the authority to provide wholesale and retail electric and gas utility services under authorized franchise agreements within California.

3.6.2.2 Natural Gas

3.6.2.2.1 State of California

Natural gas plays a significant role in California's energy generation and use. Approximately 45 percent of natural gas consumed in the State is burned to generate electricity. California depends on imports of natural gas for about 90 percent of the total natural gas consumed on an annual basis.

3.6.2.2.2 Contra Costa County

Data provided by the CEC shows that for 2022, total natural gas consumption in the County was 89.5 million MMBtu.

3.6.2.3 Hydrogen

3.6.2.3.1 United States

Approximately 10 million metric tons of hydrogen currently produced in the United States each year, almost all of which is used for refining petroleum, treating metals, producing fertilizer, and processing foods (DOE 2023b).

3.6.2.3.2 State of California

California is leading the nation in building hydrogen fueling stations. As of 2023, 52 retail hydrogen stations were open to the public in California, and 45 more were in various stages of construction or planning (DOE 2023b).

3.6.2.4 Liquid Fuel Use

3.6.2.4.1 State of California

The sector consuming the most liquid fuel in California is transportation, primarily gasoline and diesel. According to the California Department of Tax and Fee Administration, a total of 13.6 billion gallons of gasoline and 3.2 billion gallons of diesel fuel were sold in the state in 2022.

3.6.2.4.2 Renewable Energy

As of 2021, the state has reported 31 percent of electricity was sourced from certified renewable sources (United States Energy Information Administration, 2023).

3.6.3 Regulatory Context

3.6.3.1 Federal Energy-Related Provisions

3.6.3.1.1 Energy Policy Act of 1992

This act sets forth requirements for energy conservation for certain commercial and industrial equipment, energy efficiency in industrial facilities, and process-oriented industrial energy efficiency. Section 301(2) of the act identifies hydrogen as an alternative fuel.

3.6.3.1.2 Energy Policy Act of 2005

The Energy Policy Act of 2005 provided for renewed and expanded tax credits for electricity generated by qualified energy sources and provided bond financing, tax incentives, grants, and loan guarantees for a clean renewable energy and rural community electrification plus a federal purchase requirement for renewable energy.

3.6.3.1.3 Regional Clean Hydrogen Hubs

On October 13, 2023, the United States Department of Energy announced a \$7 billion program for Regional Clean Hydrogen Hubs (H2Hubs) to accelerate the commercial-scale deployment of low-cost, clean hydrogen. Among the hubs chosen was the California Hydrogen Hub (Alliance for Renewable Clean Hydrogen Energy Systems), which plans to develop clean energy technologies to produce hydrogen exclusively from renewable energy and biomass.

3.6.3.2 State of California Energy-Related Provisions

3.6.3.2.1 CEQA Statute and Guidelines

The CEQA statute requires that EIRs contain a discussion of the potential energy impacts of proposed projects, with particular emphasis on avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy (Public Resources Code section 21100(b)(3)). Appendix F, Energy Conservation, of the CEQA Guidelines notes that conserving energy implies the wise and efficient use of energy and lists energy-related setting, impact, mitigation, and other items that should be considered in an EIR. Appendix G of these Guidelines lists energy-related topics in a Checklist

Form. Applicable and relevant items contained in these lists are addressed in this Energy section. Section 15064.3 of the Guidelines notes that “vehicle miles traveled is the most appropriate measure of transportation impacts.” Since vehicles consume energy with each mile traveled, this factor is also addressed in this section.

3.6.3.2.2 California Energy Commission

Senate Bill (SB) 1389 (Statutes of 2002) required the California Energy Commission (CEC) to:

“[C]onduct assessments and forecasts of all aspects of energy industry supply, including production, transportation, delivery and distribution, demand, and prices. The commission shall use these assessments and forecasts to develop and evaluate energy policies that conserve resources, protect the environment, ensure energy reliability, enhance the state’s economy, and protect public health and safety” (Public Resources Code Section 25301(a)).

This work provides the inputs for the Integrated Energy Policy Report (IEPR). CEC adopts an IEPR every two years and an update every other year. The Draft 2023 IEPR is the most recent update, issued November 13, 2023. The 2023 IEPR provides a summary of priority energy issues currently facing the state, including strategies and recommendations to further the state’s goal of ensuring reliable, affordable, and environmentally responsible energy sources.

3.6.3.2.3 California Public Utility Commission

The California Public Utility Commission (CPUC) has implemented a California Energy Efficiency Strategic Plan that sets forth ambitious goals for the development of zero net energy buildings. These include the goal that all commercial construction will be Zero Net Energy by 2030.

3.6.3.2.4 Senate Bill 1078: California Renewables Portfolio Standard Program

SB 1078 (Chapter 516, Statutes of 2002) established the California Renewable Portfolio Standard (RPS) for electricity supply. The RPS required that retail sellers of electricity provide 20 percent of their supply from renewable sources by 2017 and increase their renewable share by at least one percent each year.

3.6.3.2.5 Senate Bill X1-2: California Renewable Energy Resources Act

SB X1-2 of 2011 revised the Renewable Energy Resources Program to require all California utilities to increase the quantity of electricity generated from eligible energy resources per year, so that the quantity of retail electrical sales in California was at least 33 percent from renewables by December 31, 2020.

3.6.3.2.6 Senate Bill 350: Clean Energy and Pollution Reduction Act of 2015

The Clean Energy and Pollution Reduction Act of 2015 (SB 350) requires the amount of electricity generated and sold to retail customers per year from eligible renewable energy resources to be increased to 50 percent by December 31, 2030. This act also requires doubling of the energy

efficiency savings in electricity and natural gas for retail customers through energy efficiency and conservation by December 31, 2030.

3.6.3.2.7 California Building Standards Code

The California Building Standards Code, Title 24 of the California Code of Regulations, contains the regulations that govern the construction of buildings in California. Title 24, Part 6 (California Energy Code) contains energy conservation standards applicable to most residential and nonresidential buildings throughout California. Title 24, Part 11 is the California Green Building Standards (also known as CALGreen) and includes regulations for energy efficiency and conservation, material conservation, resource efficiency, and environmental quality.

3.6.3.3 Local Energy-Related Provisions

3.6.3.3.1 City of Pittsburg, CA

In 2017, the City elected to join MCE, a “Community Choice Aggregation” energy program administrator. MCE offers a default option of 50 percent renewable energy plus an option of 100 percent renewable energy. The City’s website contains information on how businesses can improve energy efficiency. The City of Pittsburg Municipal Code references the California Building Standards Code, which includes the California Energy Code (Title 24, Part 6).

In 2023, the City adopted a Sustainability Plan. This plan was designed to be a first step towards reducing greenhouse gas (GHG) emissions in the City and to establish practices the community can implement that are practical and result in real, positive change. The plan notes that largest source of the City’s GHG emissions are produced by the energy sector (55 percent). To reduce these emissions, the plan describes strategies to electrify the building stock, decarbonize electricity, and increase use and storage of local renewable energy. The plan includes an Energy Security goal of increasing the uninterrupted availability of energy sources in the community at an affordable price and from local sources.

3.6.3.3.2 Contra Costa County

The Climate Action Plan is the County’s strategic approach to reduce GHG emissions from sources throughout the unincorporated area. The Climate Action Plan reflects the County’s programs and actions to decrease energy use, improve energy efficiency, develop renewable energy, reduce vehicle miles traveled, increase multi-modal travel options, expand green infrastructure, reduce waste, and improve the efficiency of government operations. The Climate Action Plan also forecasts the County’s GHG emissions and sets reduction targets and strategies. The County has issued a draft for public review of the 2024 Climate Action Plan Update to its 2015 Climate Action Plan, and in the meantime has developed a 2023-2024 Interim Climate Action Work Plan and prepared a 2022 Progress Report updating progress on these interim measures.

In April 2023, the Contra Costa Transportation Authority issued its Countywide Vehicle Miles Traveled (VMT) Mitigation Program Framework (Contra Costa County 2023).

3.6.4 Impact Analysis

This section describes the methodology used to analyze and determine the proposed Project's potential impacts and the significance criteria used to conclude whether an impact would be significant.

3.6.4.1 Impact Analysis Methodology

3.6.4.1.1 Construction

HC (Contra Costa), LLC (Applicant) has stated that it may use some electrically powered equipment during construction. For the below analysis, however, it is assumed that during construction of the proposed Project, all energy use would come from natural gas. Although both diesel and gasoline fuels would be used in on-road vehicles for material hauling and worker commute trips, for simplicity, estimated gallons of diesel and gasoline fuels are combined in this analysis. The same assumptions of construction equipment numbers, horsepower ratings, and load factors used to estimate construction CO₂ emissions (see Section 3.3 Air Quality and Greenhouse Gas Emissions) were used to calculate construction-related fuel use. Mobile and stationary emissions calculations are in Appendix F of this EIR.

3.6.4.1.2 Operations

Energy use calculated for operation of the proposed Project includes natural gas for the boiler, diesel fuel for the emergency generator and emergency firewater pump, purchased electricity for fixed and portable electrical equipment, and fuel from transportation sources (diesel and gasoline). Transportation fuel-use estimates were calculated by applying average fuel usage rates per vehicle mile to VMT data related to the proposed Project. CARB's EMFAC2017 model includes average fuel usage rates by vehicle class, fuel type (e.g., diesel, gasoline, electric, and natural gas), speed bin, calendar year, and county. Fuel usage rates from EMFAC2017 representing the County in 2026 were applied to the proposed Project's VMT data. Daily VMT were adjusted to annual VMT using a conversion factor of 347, which accounts for holidays and weekday/weekend business operations.

3.6.4.1.3 State CEQA Guidelines Appendix F

To ensure that energy implications are considered in project decisions, CEQA requires that EIRs include a discussion of the potential energy impacts of proposed projects, with particular emphasis on avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy. Appendix F of the State CEQA Guidelines discusses the goal of conserving energy implies the wise and efficient use of energy. The means of achieving this goal include:

1. Decreasing overall per capita energy consumption
2. Decreasing reliance on fossil fuels such as coal, natural gas, and oil
3. Increasing reliance on renewable energy sources

These considerations listed in Appendix F are used as the basis for conclusions in this chapter.

3.6.4.1.4 Significance Criteria

Neither the State of California, the County, nor the City have quantitative thresholds for evaluation of energy-related impacts. However, Appendix G of the State CEQA Guidelines has the following qualitative thresholds that can be used to evaluate the significance of energy impacts resulting from project construction and operation. A significant impact would occur if the proposed Project would:

- a. Result in a wasteful, inefficient, or unnecessary consumption of energy during construction and operational activities; or
- b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

3.6.5 Impacts and Mitigation Measures

The following impact discussion is based on the proposed Project's implementation compared with the significance criteria identified above.

3.6.5.1 Construction-Related Impacts

- a. **Would the proposed Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction. (ENG-C1)**

Potentially, without mitigation. Project construction is considered a temporary activity, requiring the use of energy in the form of gasoline, diesel fuel, and electricity. Table 3.6-1 shows the total gallons of gasoline and diesel fuel estimated to be consumed during construction of the proposed Project. To construct the proposed project components, energy would be consumed by on-road vehicles, primarily by those transporting construction equipment and materials to and from the project site, and by off-road equipment working at the project site, primarily by heavy, diesel-powered construction equipment such as trucks, bulldozers, front end loaders, cranes, and forklifts. The table shows that on-road construction-related vehicle trips would consume 65,102 gallons of gasoline and diesel fuel during the construction period, and off-road construction equipment would consume an estimated 11,462 gallons of fuel.

Table 3.6-1: Gallons of Fuel for Construction

Construction Equipment Type	Combine Gasoline and Diesel Fuel Use (gals)
On-road vehicles	65,102
Off-road heavy-duty vehicles	11,462

The project will use heavy equipment meeting current regulatory standards and comply with regulations requiring replacement or retrofitting of heavy-duty on- and off-road vehicles and equipment, including limitations on the idling of on-site construction equipment to five minutes. To encourage the elimination of idling, mitigation measures are recommended to require or provide incentives for use of electrically powered trucks and equipment on the project site during construction.

Construction contractors would be required to use the best available engineering techniques, construction and design practices, and equipment operating procedures, thereby ensuring that the wasteful consumption of fuels and use of energy would not occur. To encourage construction waste minimization, mitigation measures are recommended to require or provide incentives for the construction contractor to meet CalGreen’s goal of recycling, diverting, or salvaging debris from construction and demolition.

There is a significant financial incentive for contractors to use energy-consuming resources in an efficient manner since fuel costs are a sizable portion of a contractor’s cost. To encourage the use of electricity or renewable energy for on-site construction related activities, mitigation measures are recommended to require or provide incentives for zero emission delivery trucks to use the facility and construction workers to use electric vehicles, transit, bicycles, or carpool.

Due to the temporary nature of construction, and in consideration of the information presented above, the construction phase of the project would not result in wasteful, inefficient, and unnecessary consumption of energy. Additionally, implementation of **Mitigation Measures ENG-C1a** through **ENG-C1d** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than Significant with Mitigation Incorporated.

3.6.5.1.1 ENG-C1 Mitigation Measures

Mitigation Measure ENG-C1a: Provide incentives for construction workers to use electric vehicles, transit, bicycles, or carpool.

As examples, construction workers could be provided preferential parking, stipends, and assistance to take advantage of the numerous federal and state electric vehicle incentives.¹² Bicyclists can be provided electric bike subsidies through California’s CalBike Program.¹³ Carpoolers can be provided reward programs (such as prize drawings), and employees can be encouraged to form carpools through rideshare matching and through other assistance.¹⁴

Mitigation Measure ENG-C1b: Provide incentives for zero emission delivery trucks to use the facility.

Since California requires 100 percent zero emission truck sales beginning in 2036,¹⁵ most major truck manufacturers already have such vehicles on the market today. Incentives could involve preferences in vendor selection, preferred scheduling, free or low-cost recharging on site, and purchase incentives.

Mitigation Measure ENG-C1c: Provide incentives for the construction contractor to use electric powered equipment on site.

¹² <https://fueleconomy.gov/feg/taxcenter.shtml>, <https://www.solarreviews.com/blog/ev-incentives>

¹³ https://www.calbike.org/bike_purchase_incentives/

¹⁴ <http://www.cleanairpartnerstx.org/resources/Carpool%20Incentive%20Programs%20-%20EPA.pdf#:~:text=Carpool%20incentive%20programs%20may%20incorporate%20a%20variety%20of.can%20help%20employees%20form%20carpools%20through%20rideshare%20matching>

¹⁵ <https://ww2.arb.ca.gov/resources/fact-sheets/path-zero-emission-trucks-faq>

Mitigation Measure ENG-C1d: Provide incentives for the construction contractor to minimize and reuse waste generated on site.

b. Would the proposed Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency. (ENG-C2)

Potentially, without mitigation. As discussed above, the project will use heavy-duty on- and off-road vehicles and equipment. Mitigation measures are recommended to require or provide incentives for use of electrically powered trucks and equipment for hauling equipment and materials on the project site during construction. Implementation of recommended mitigation measures ENG-C1 (a-d) would benefit the County's Climate Action Plan goals to decrease energy use, reduce vehicle miles traveled, and increase multi-modal travel options, and the state's three "wise and efficient energy use" goals, stated CEQA Guidelines Appendix F to: (1) decrease overall per capita energy consumption, (2) decrease reliance on fossil fuels such as coal, natural gas, and oil, and (3) increase reliance on renewable energy.

Due to the temporary nature of construction, and in consideration of the information presented above, the construction phase of the project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Additionally, implementation of **Mitigation Measures ENG-C1a** through **ENG-C1d** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than Significant with Mitigation Incorporated.

3.6.5.1.2 ENG-C2 Mitigation Measures

Mitigation Measure ENG-C1a: Provide incentives for construction workers to use electric vehicles, transit, bicycles, or carpool.

Mitigation Measure ENG-C1b: Provide incentives for zero emission delivery trucks to use the facility.

Mitigation Measure ENG-C1c: Provide incentives for the construction contractor to use electric powered equipment on site.

Mitigation Measure ENG-C1d: Provide incentives for the construction contractor to minimize and reuse waste generated on site.

3.6.5.2 Operational Impacts

a. Would the proposed Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project operation. (ENG-O1)

The proposed Project is designed to be as efficient as possible. Nonetheless, operation of the proposed Project would result in consumption of electricity, natural gas, and liquid fossil fuel by the facility and by vehicles traveling to and from the site. Table 3.6-2 shows the electricity, natural gas, and combined gasoline plus diesel consumption for project operations on an annual basis. The

values shown are based on the expected hours of operation and energy consumption rate for each stationary source, the estimated quantity of electricity to be purchased, and fuel use rates based on estimated miles travelled for motor vehicles, and hours of operation for heavy equipment.

Table 3.6-2: Operational and Stationary Energy Use (annual)

Stationary Sources	Operation	Fuel Quantity Used
S-25 OMNI Unit natural gas consumption	192 hours/year	51,959 MMB _{tu} ⁽¹⁾
S-36 Flare purge/pilot natural gas consumption	8,760 hours/year	6,773 MMB _{tu} ⁽¹⁾
S-40 Boiler natural gas consumption	8,760 hours/year	344,320 MMB _{tu} ⁽¹⁾
S-75 Emergency Generator diesel consumption	50 hours/year	650 gallons
S-80 Emergency firewater pump diesel consumption	50 hours/year	500 gallons
Purchased Electricity Consumption	8,760 hours/year	93,688 MWh
Total vehicles and mobile equipment diesel and gasoline combined consumption	2,112,793 miles/year	620,661 gallons
<i>Note (1): MMB_{tu} = 1,000,000 British Thermal Units; MWh = megawatt hour</i>		

On-site operation of the proposed Project would result in consumption of electrical energy by mechanical drive processing equipment, natural gas by gas-fired processing equipment, diesel by the emergency generator and firewater pump, diesel by heavy equipment, and gasoline and diesel by on-site and off-site motor vehicles. These operations would consume approximately 93,688 MWh of electricity and an estimated 403,052 million British thermal unit (MMB_{tu}) of natural gas on an annual basis. The average need for the facility would be 8 to 9 MW of electricity with a peak of up to 13 MW.

Off-site travel to and from the project site by motor vehicles, including automobiles, trucks, and heavy equipment, would consume fuel during project operations. Based on energy use estimations contained within the CalEEMod model, project operation-related vehicle trips would result in approximately 6,262,491 vehicle miles traveled and consume an estimated 1,305,255 gallons of gasoline and diesel combined, annually.

The project would make use of the energy inherent in the municipal solid waste that would otherwise be wasted in landfills if it is not recovered by methane capture systems. Thus, from the perspective of the overall municipal solid waste system, the project would not result in wasteful, inefficient, or unnecessary consumption of energy during operation.

Purchased electricity will be used to power lighting, heating, ventilating and air conditioning (HVAC) systems, process equipment including pumps, compressors, fan motors, and instrumentation. All electrical equipment will be selected to meet or current energy efficiency standards. The proposed Project would be designed in accordance with the California Building Standards Code Title 24 energy efficiency standards. Title 24 includes energy conservation requirements that apply to the structural, mechanical, electrical, and plumbing systems in buildings. These standards help reduce the amount of energy required for lighting, water heating, and heating and air conditioning and promote energy conservation.

The Bay Area Rapid Transit (BART) station is approximately 2 miles from the project site, and the Eastern Contra Costa Transit Authority (Tri Delta Transit) operates 15 local bus lines serving the area (Eastern Contra Costa Transit Authority 2023). This allows for use of public transit to the City in proximity to the project site.

The proposed project site is within 1 mile of SR 4, providing efficient, direct access for deliveries of materials, shipment of product hydrogen, and worker commutes. SR 4 is a significant regional route of travel.

The proposed Project would use motor vehicles that comply with CARB fuel economy standards. To encourage the use of electricity or renewable energy for on-site construction related activities, mitigation measures are recommended to require or provide incentives for zero emission delivery trucks to use the facility and on-site recharge locations be provided for commuters or delivery vehicles.

Proposed Project operations would strictly follow equipment operating procedures and manufacturer's recommendations for properly maintaining equipment. In accordance with California Code of Regulations, Title 13, Sections 2449(d)(3) and 2485, idling of trucks and heavy equipment on the project site would be limited to no more than five minutes. To encourage the elimination of idling, mitigation measures are recommended to require or provide incentives for use of electrically powered trucks and equipment on the project site during construction.

Stationary sources that consume fuel would be permitted by the BAAQMD, limiting the firing rates and therefore fuel consumption rates to maximum levels based on health impacts and other considerations. Exceeding these limits would be in violation of BAAQMD regulations and permit conditions, so there is significant incentive for compliance with the imposed limits. There is also a significant financial incentive for the proposed Project to use energy-consuming resources in an efficient manner since fuel costs are a large portion of overall operating costs.

In consideration of the information presented above, including the recommended mitigation, operations of the proposed Project would not result in wasteful, inefficient, and unnecessary consumption of energy. Implementation of Mitigation Measures ENG-O1a through ENG-O1g would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than Significant with Mitigation Incorporated.

3.6.5.2.1 ENG-O1 Mitigation Measures

Mitigation Measure ENG-O1a: Require the Applicant to install EV charging stations.

Mitigation Measure ENG-O1b: Require 10 percent of on-road commercial trucks entering the facility to be zero emission by 2030 and 100 percent zero emission by 2045.

Mitigation Measure ENG-O1c: Require all buildings to comply with the adopted California Green Building Standards Code.

Mitigation Measure ENG-O1d: Require the Applicant to prioritize parking for zero emission vehicles.

Mitigation Measure ENG-O1e: Provide incentives for facility workers and visitors to use electric vehicles, bicycles, or transit, or to walk or carpool to the site.

Mitigation Measure ENG-O1f: Require the Applicant to participate in one or more of the numerous zero emission truck purchase programs if funding is available. For example, CARB¹⁶ provides funding assistance, planning resources, and other support to entities such as the Applicant to purchase zero-emission vehicles.

Mitigation Measure ENG-O1g: Require 25 percent of all on-site forklifts, yard trucks, and company vehicles other than off-road equipment to be zero emissions by 2030 and 100 percent to be zero emissions by 2045.

b. Would the proposed Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency. (ENG-O2)

The following features of the proposed Project would affect the potential environmental impact from conflicts with or obstruction of a state or local plan during operation:

- The proposed Project would produce low-carbon, renewable hydrogen for use in fuel cell vehicles, particularly heavy-duty trucks and buses, thereby advancing the goals of California legislation, such as SB32, and regulatory programs, including the Low Carbon Fuel Standard (LCFS) and Advanced Clean Fleets programs.
- The proposed Project would help meet the growing demand for renewable fuels in California. The project proposes to construct and operate a renewable hydrogen production facility that will convert organic waste into high-purity hydrogen gas for use in the transportation and industrial sectors. This supports the State's goals for increasing renewable energy supplies, while also supporting the objectives of SB 1383/AB 939 (see chapter 3.2 Air Resources) for the reduction of short-lived climate pollutants by reducing the quantity of organic waste being disposed in landfills. This directly supports the California Department of Resources Recycling and Recovery (CalRecycle) regulations designed to reduce statewide landfill disposal of organic waste. The proposed Project is consistent with many elements of the County's Climate Action Plan to improve energy efficiency, develop renewable energy, and reduce waste.

In consideration of the information presented above, operations of the proposed Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Additionally, implementation of **Mitigation Measures ENG-O1a** through **ENG-O1g** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than Significant with Mitigation Incorporated.

¹⁶ <https://ww2.arb.ca.gov/our-work/programs/medium-and-heavy-duty-fleet-zero-emission-vehicle-purchasing-support-sb-372>

3.6.5.2.2 ENG-O2 Mitigation Measures

Mitigation Measure ENG-O1a: Require the Applicant to install EV charging stations.

Mitigation Measure ENG-O1b: Require 10 percent of on-road commercial trucks entering the facility to be zero emission by 2030 and 100 percent to be zero emission by 2045.

Mitigation Measure ENG-O1c: Require all buildings to comply with the adopted California Green Building Standards Code.

Mitigation Measure ENG-O1d: Require the Applicant to prioritize parking for zero emission vehicles.

Mitigation Measure ENG-O1e: Provide incentives for facility workers and visitors to use electric vehicles, bicycles, or transit, or to walk or carpool to the site.

Mitigation Measure ENG-O1f: Require the Applicant to participate in one or more of the numerous zero emission truck purchase programs if funding is available. For example, CARB¹⁷ provides funding assistance, planning resources, and other support to entities such as the Applicant to purchase zero-emission vehicles.

Mitigation Measure ENG-O1g: Require 25 percent of all on-site forklifts, yard trucks, and company vehicles other than off-road equipment to be zero emission by 2030 and 100 percent to be zero emission by 2045.

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3.7 GEOLOGY AND SOILS

3.7.1 Introduction

This section describes the environmental conditions and impacts analysis of geology, sediments and seismicity issues associated with construction and operation of the proposed Project. Also included is an analysis of the potential impacts of the proposed Project. Geologic issues associated with the proposed Project primarily involve the effects of seismic events on structures and systems.

Guidelines and key sources of data used in the preparation of this section include the following:

- Site plans
- Geologic maps
- Hazard maps

3.7.2 Existing Environmental Setting

The proposed Project includes construction and operation of a renewable hydrogen facility that would use waste organic materials as feedstock in a non-combustion thermal conversion process.

The project site is located at 901 Loveridge Road, 0.9 mile northeast of the intersection of Pittsburg-Antioch Highway and Loveridge Road. The project site, with laydown and staging yard, would be up to 20 acres of the approximately 24-acre Study Area. The Study Area is mostly vacant with some residual pieces of industrial equipment, a few railroad spurs, five buildings that account for less than one acre, and includes exterior and interior access roads that would be improved and maintained for the project. Permanent usage of the proposed renewable hydrogen facility would be approximately 12 acres of the 24-acre Study Area. The Study Area is currently graded and covered with an array of graveled ground, disturbed dirt, and concrete slabs that are primarily used for parking and storage.

The land use surrounding the project site is primarily industrial, including Calpine's Delta Energy Center (south), the Delta Diablo wastewater treatment facility (south), and Corteva Agriscience's manufacturing facility (west). Several transportation facilities are also in the surrounding area, including the Burlington Northern & Santa Fe (BNSF) railroad (south), Pittsburg-Antioch Highway (south), Union Pacific Railroad (south), and State Route 4 (south). New York Slough is north of the project site. The nearest residences are south of State Route 4 approximately 0.9 mile southwest of the project site.

3.7.2.1 Regional Geology

Most of the Bay Area is located within the Coast Ranges geomorphic province. The Coast Range province spans approximately 400 miles from Oregon into Southern California and is characterized by a series of northwest trending ridges and valleys that roughly parallel the San Andreas fault zone. Much of the Coast Range province is composed of marine sedimentary and volcanic rocks located east of the San Andreas Fault, while the region west of the San Andreas Fault is underlain by a mass

of basement rock that is composed of mainly marine sandstone and various metamorphic rocks. Unconsolidated alluvial deposits, artificial fill, and estuarine deposits (including Bay Mud) underlie the low-lying region along the margins of the Carquinez Straight and Suisun Bay (ABAG 2017).

3.7.2.2 Regional Seismicity

The San Francisco Bay Area lies along the San Andreas Fault system, which forms the boundary between the Pacific and North American tectonic plates. Movement between the plates has created several other active faults within the larger San Andreas Fault system, including the Hayward, Concord-Green Valley, Greenville, Rodgers Creek and San Gregorio Faults. The United States Geological Survey (USGS) Working Group on California Earthquake Probabilities has evaluated the probability of one or more earthquakes occurring in the Bay Area and concluded that there is a 63 percent likelihood of a magnitude 6.7 or higher earthquake occurring in the Bay Area by 2037 (USGS 2008; ABAG 2017). A summary of active faults in the region is included in Table 3.7-1.

Table 3.7-1: Regional Active Faults

Fault	Recent Movement	Historical Seismicity	Maximum Moment Magnitude (M _w)
Hayward	1868 (Holocene)	M6.8, 1868; many <M4.5	7.1
San Andreas	1989 (Holocene)	M7.1, 1989; M8.25, 1906; M7.0, 1838; many <M6	7.9
Rogers Creek-Healdsburg	1969 (Holocene)	M6.7, 1898; M5.6, 5.7, 1969	7.0
Concord-Green Valley	1955 (Holocene)	Historical active creep	6.9
Marsh Creek-Greenville	1980 (Holocene)	M5.6, 1980	6.9
San Gregorio-Hosgri	Holocene; Late Quaternary	Many M3-6.4	7.3
West Napa	2000 (Holocene)	M5.2, 2000	6.5
Maacama	Holocene	Historical active creep	7.1
Calaveras	1990 (Holocene)	M5.6-M6.4, 1861; M4 to M4.5 swarms 1970, 1990	6.8
Mount Diablo Thrust	Quaternary	N/A	6.7
<i>Source: ABAG 2017</i> <i>M = Magnitude</i> <i>N/A = Not applicable</i>			

Several major earthquakes have occurred within the Bay Area on these faults. A magnitude 6.8 earthquake occurred in 1868 along the Hayward Fault, which is located approximately 25 miles from the project site. Major earthquakes also occurred in 1861 on the Calaveras Fault, which is located approximately 20 miles from the project site, and in 1898 along the Rodgers Creek Fault, which is approximately 15 miles from the project site. The 1838, 1906 and 1989 earthquake events along the

San Andreas fault comprises the most significant earthquakes that have occurred in the region within the past 200 years and caused major damage to structures in the Bay Area.

3.7.2.3 Project Site Seismicity

As discussed above, the project site is located in a region defined by a number of fault zones associated with the San Andreas Fault system, which marks the tectonic boundary between the North American and Pacific plates. The major earthquake faults in the region are the San Andreas, the Hayward, and the Calaveras fault zones; other active Holocene faults close to the project site are the Concord-Green Valley fault, and the West Napa and Rogers Creek faults (Jennings and Bryant 2010; ABAG 2017).

The project site is not located in an Alquist-Priolo Earthquake Fault Zone (DOC 2019); however, a major seismic event on any of the surrounding active faults could cause significant ground shaking at the project site.

Ground movement intensity during an earthquake depends on several factors, including earthquake magnitude, distance to the fault, focus of earthquake energy and type of geological material. Areas underlain by bedrock tend to experience less ground shaking than those underlain by unconsolidated sediments. Earthquake ground shaking may have secondary effects, including liquefaction, seismically induced settlement, and lateral spreading.

Liquefaction is the transformation of saturated granular soils from a solid to liquefied state, caused by increased pore pressure and decreased effective stress usually induced by earthquakes. Areas susceptible to liquefaction can be determined based on characteristics such as soil type, soil density and depth to groundwater. Liquefaction occurs in areas underlain by loose, saturated silt, sand and/or gravel. A study of the nine-county San Francisco Bay Area, conducted by the USGS and Association of Bay Area Governments (ABAG) identify the project site as moderately susceptible to liquefaction (Knudsen et al. 2000; ABAG 2020).

The project site is located in a generally flat area, and the ABAG Hazard Viewer Map shows that the project site is not located in landslide hazard zone (ABAG 2020).

3.7.3 Regulatory Context

This section provides a summary of laws and regulations that may affect geologic resources and seismicity analyses.

3.7.3.1 Federal

3.7.3.1.1 Earthquake Hazards Reduction Act

The Earthquake Hazards Reduction Act of 1977 (42 USC, 7701 et seq.) requires the establishment and maintenance of an earthquake hazards reduction program by the federal government. Under the National Earthquake Hazards Reduction Program (NEHRP), four federal agencies have responsibility for long-term earthquake risk reduction: the USGS, the National Science Foundation (NSF), the Federal Emergency Management Agency (FEMA), and the National Institute of

Standards and Technology. NEHRP’s mission includes improved understanding, characterization, and prediction of hazards and vulnerability; improvements of building codes and land use practices; risk reduction through post-earthquake investigation and education; development and improvement of design and construction techniques; improvement of mitigation capacity; and accelerated application of research results.

3.7.3.1.2 Executive Order 12699

Signed in January 1990, Presidential EO 12699 implements provisions of the Earthquake Hazards Reduction Act for “federal, federally assisted or federally regulated new building construction” and requires the development and implementation of seismic safety programs by Federal agencies.

3.7.3.2 State

3.7.3.2.1 Alquist-Priolo Earthquake Fault Zoning Act

The Alquist-Priolo Earthquake Fault Zoning Act is overseen by the California Department of Conservation, California Geological Survey. Alquist-Priolo earthquake fault zones are regulatory zones surrounding the surface traces of active faults in California, and the purpose of the Act is to reduce losses from surface fault rupture. If an active fault has the potential for surface rupture, a structure for human occupancy cannot be placed over the fault and must be a minimum distance from the fault. The Alquist-Priolo Act defines an active fault as one that has ruptured in the last 11,000 years.

3.7.3.2.2 California Seismic Hazards Mapping Act

The Seismic Hazards Mapping Act was established in 1990 and directs the Department of Conservation, California Geological Survey to identify and map areas prone to earthquake hazards, including liquefaction, landslides, and ground shaking. The purpose of the Act is to reduce the threat to public safety and to minimize the loss of life and property by identifying and mitigating seismic hazards. The Act requires the State Geologist to establish regulatory zones and to issue Seismic Hazard Zone maps.

3.7.3.2.3 California Building Standards Code

The California Building Standards Code (California Code of Regulations, Title 24) includes provisions for earthquake safety based on factors including occupancy type, soil and rock profile, the strength of the ground and distance to seismic sources.

3.7.3.3 Local

3.7.3.3.1 Contra Costa County

Contra Costa Health Services Hazardous Materials Programs administers the California Accidental Release Prevention (CalARP) Program (California Code of Regulations, Title 19, Division 2, Chapter 4.5). Through CalARP, businesses that handle more than a threshold quantity of certain regulated substances must develop a Risk Management Plan (RMP). An RMP is a detailed engineering analysis of the potential accident factors, including seismic considerations, present at a

business, as well as the mitigation measures that can be implemented to reduce this accident potential.

3.7.4 Impacts and Mitigation Measures

The following impact determinations for geology and soils were made for the proposed Project:

- a. **Would the proposed Project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury or death involving:**
 - o **Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (GEO-1a)**

No. As discussed above, the project site is located in a region defined by a number of fault zones associated with the San Andreas and Hayward Fault systems, but the project site is not located in any Alquist-Priolo Earthquake Fault Zone (DOC 2019). The closest faults include an unnamed fault approximately 1 mile to the west of the Clayton Fault (within the Greenville Fault Zone), located approximately 1 mile to the south of the project site; the Montezuma Hills Fault (within the Vaca Fault Zone), located approximately 1 mile north of the project site; and the Antioch Fault, located approximately 3 miles to the east of the project site. Therefore, direct rupture from an earthquake fault would be unlikely, and the impact is less than significant.

Significance Level: Less than Significant. No mitigation required.

- o **Strong seismic ground shaking? (GEO-1b)**

Potentially significant, without mitigation. Because the project site is located in a region with several major fault zones, it may experience strong ground shaking associated with seismic activity along these faults. The extent and strength of ground shaking depends on the magnitude and intensity of the earthquake, distance from the epicenter and geologic conditions. The ABAG Hazard Viewer Map indicates that the project site is located in an area susceptible to severe shaking hazard (ABAG 2020). Ground shaking at the project site has the potential to directly or indirectly cause potential substantial adverse effects. Upset conditions at the proposed facility could result in impacts if the structural design of the facility does not address strong seismic ground shaking.

Therefore, the proposed facility and related equipment must be designed to comply with the California Building Code requirements. The California Building Code represents a standard safeguard against major structural failures and loss of life, and it requires that structures will: 1) resist minor earthquakes without damage; 2) resist moderate earthquakes without structural damage, but with some non-structural damage and 3) resist major earthquakes without collapse, but with some structural and non-structural damage.

New structures and equipment at the project site would require building permits from the City of Pittsburg Community and Economic Development Department, Building Division, as applicable. Building permit applications and plans are reviewed by third-party plan checkers for compliance with the California Building Code; therefore, issuance of building permits from the local authority

will assure compliance with the California Building Code requirements. Implementation of **Mitigation Measure GEO-1** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than significant with mitigation incorporated.

GEO-1 Mitigation Measures

- **Mitigation Measure GEO-1: Compliance with California Building Code requirements.** As described above, the proposed facility and related equipment must be designed to comply with the California Building Code requirements. The California Building Code represents a standard safeguard against major structural failures and loss of life, and it requires that structures will: 1) resist minor earthquakes without damage; 2) resist moderate earthquakes without structural damage, but with some non-structural damage and 3) resist major earthquakes without collapse, but with some structural and non-structural damage.
 - **Seismic-related ground failure, including liquefaction? (GEO-1c)**

Potentially, without mitigation. Liquefaction is the transformation of saturated granular soils from a solid to liquefied state, caused by increased pore pressure and decreased effective stress, and usually induced by earthquakes. Areas susceptible to liquefaction can be determined based on characteristics such as soil type, soil density and depth to groundwater. Liquefaction occurs in areas underlain by loose, saturated silt, sand and/or gravel. A study of the nine-county San Francisco Bay Area, conducted by the United States Geological Survey (Knudsen et al., 2000) and the ABAG Hazard Viewer Map identify the project site as moderately susceptible to liquefaction (ABAG 2020).

Therefore, before the issuance of building permits, plans for the proposed Project would have to be reviewed and found to comply with applicable California Building Code requirements and recommendations in the geotechnical report and soil study. Any structures at the project site would be built and maintained in accordance with these regulations. Implementation of **Mitigation Measure GEO-1** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than significant with mitigation incorporated.

- **Mitigation Measure GEO-1: Compliance with California Building Code requirements.** As described above, the proposed facility and related equipment must be designed to comply with the California Building Code requirements. Plans for the proposed Project would have to be reviewed and found to comply with applicable California Building Code requirements and recommendations in the geotechnical report and soil study. Any structures at the project site would be built and maintained in accordance with these regulations.
 - **Landslides? (GEO-1d)**

No. The project site is located in a generally flat area, and the ABAG Hazard Viewer Map shows that the project site is not located in landslide hazard zone (ABAG 2020). Therefore, without steep slopes or large changes in grade across the property, impacts from landsliding would be less than significant.

Significance Level: Less than Significant. No mitigation required.

b. Would the proposed Project result in substantial soil erosion or the loss of topsoil? (GEO-2)

No. project construction activities may temporarily increase the exposure of soils to erosion from grading and excavation activities. Projects that disturb one or more acre of soil are required to obtain coverage under the National Pollutant Discharge Elimination System (NPDES) Construction Storm Water General Permit. Project construction activities subject to this permit may include clearing, grading and/or other disturbances to the ground such as stockpiling or excavation.

Because the proposed Project would disturb more than one acre, a Stormwater Pollution Prevention Plan (SWPPP) must be prepared for the proposed Project. Construction associated with the proposed Project would be required to provide proper controls so that stormwater runoff would be contained and only allowed to drain off-site when appropriately managed, with drainage velocities adjusted using engineering controls as needed to minimize erosion.

Due to the limited grading and excavation on the generally flat site, the proposed Project is not expected to result in substantial soil erosion or loss of topsoil and impacts would be less than significant.

Significance Level: Less than significant. No mitigation required.

c. Would the proposed Project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse? (GEO-3)

Potentially significant, without mitigation. Unconsolidated alluvial deposits, artificial fill, and estuarine deposits (including Bay Mud) underlie the low-lying region along the margins of the Carquinez Straight and Suisun Bay (ABAG 2017), and these soils may be unstable. Any new structures and/or equipment associated with the proposed Project would be constructed in compliance with California Building Code requirements and recommendations in the geotechnical report and soil study.

The potential for liquefaction at the project site is discussed above. The project site is located in a generally flat area, and there are no substantial slopes in the vicinity that would pose a landslide hazard, nor are there unsupported conditions susceptible to significant lateral spreading. Additionally, implementation of **Mitigation Measure GEO-1** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than significant with mitigation incorporated.

- **Mitigation Measure GEO-1: Compliance with California Building Code requirements.**

d. Would the proposed Project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property? (GEO-4)

Potentially, without mitigation. Expansive soils are soils with the potential to undergo significant changes in volume due to their composition and moisture content. This periodic shrinking and/or swelling of expansive soils may cause damage to structures and roads. The project site is located in an area of predominantly clay soils, including Clear Lake clay, Rincon clay loam, and Joice muck (USDA 2023), which may be expansive.

Any new structures and/or equipment associated with the proposed Project would be constructed in compliance with California Building Code requirements and recommendations in the geotechnical report and soil study. Implementation of **Mitigation Measure GEO-1** would ensure that potential impacts of the proposed Project would be less than significant.

Significance Level: Less than significant with mitigation incorporated.

- **Mitigation Measure GEO-1: Compliance with California Building Code requirements.**

d. Would the proposed Project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater? (GEO-5)

No. For interconnection to utilities such as water supply and wastewater sewer services, improvements may be completed by Delta Diablo Sanitary District, Contra Costa Water District, or other utility providers and will comply with necessary requirements. No significant impacts on soils from septic tanks or alternative wastewater disposal systems are expected and the proposed Project would have a less than significant impact.

Significance Level: Less than Significant. No mitigation required.

e. Would the proposed Project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? (GEO-6)

No. As discussed in the Cultural Resources section, three previous cultural resources surveys were conducted partially within the current project area; however, no archaeological resources were identified in the project site. Therefore, it is unlikely that paleontological resources would be disturbed by construction or operation of the proposed Project. The project site is therefore not likely to contain significant paleontological resources and impacts from the proposed Project would be less than significant.

Significance Level: Less than Significant. No mitigation required.

3.7.5 References

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3.8 MINERAL RESOURCES

3.8.1 Introduction

This section describes the mineral resources in the study area, the regulatory environment regarding conservation and use of resources, and the potential impacts from construction of the proposed Project.

3.8.2 Existing Environmental Setting

Per the city of Pittsburg's (City's) General Plan, the City contains one of two places in the San Francisco Bay Area where coal was mined (City of Pittsburg 2020). The discovery of coal in the 1850s led to the construction of Black Diamond Mines. Due to competition from other energy sources, the mines closed in 1949. Underground mining for sand began in the 1920s, however, competition from exterior glass-making companies led to the closing of the local steel foundry and the ultimate cessation of sand mining by 1949 (East Bay Regional Parks District 2023). Coal mining and any other mining operations in the Planning Area are no longer active, and no significant mineral deposits remain (City of Pittsburg 2020). The hills south of City limits may contain mineral deposits, though their significance is unknown.

3.8.3 Regulatory Context

3.8.3.1 State

The Surface Mining and Reclamation Act (SMARA) of 1975 established policies for the conservation, development, and reclamation of mineral lands. It also contained specific provisions for the California Geological Survey to classify the regional significance of mineral resources through the use of Mineral Resource Zones (MRZs). The project site area is classified by the California Department of Conservation as MRZ-1. This designation means that the State has determined adequate information exists to indicate "that no significant mineral deposits are present" or to judge that "little likelihood exists for their presence" (California Department of Conservation 2023). No important mineral resources have been identified on the project site. Furthermore, mineral resource extraction is a limited allowed use within the project's zone that will not be pursued (City of Pittsburg 2020).

3.8.3.2 Local

Chapter 8, Conservation Element, of the Contra Costa General Plan contains goals and policies relevant to the mineral resources in Contra Costa County (County). These include Goals 8-M, 8-N and 8-O, and Policies 8-56, 8-57 and 8-59, which call upon the County to ensure continued viability of mineral extraction operations while ensuring that surrounding land uses and the natural environment are not negatively impacted by mining activities. Figure 8-4 of the General Plan Conservation Element designates areas of the County as important mineral resources areas.

3.8.4 Impacts and Mitigation Measures

For the purposes of this analysis, the proposed Project is considered to have a significant impact to mineral resources if the project site is located on a state- or county-designated mineral resource, if the proposed Project would disrupt mineral extraction operations and if the proposed Project would:

- a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state.
- b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on local general plan, specific plan or other land use plan.

No. The project site has been developed for industrial use for several years and there is no history of mining resources on or near the project site. As mining practices in the project area in Pittsburg and/or unincorporated County lands are not present and there are no significant mineral deposits or mineral resource recovery sites nearby, the proposed Project would not result in the loss of availability of a known mineral resource or a locally important mineral resource recovery site. Therefore, no impact would occur and no mitigation would be required.

Significance Level: No impact. No mitigation required.

3.8.5 References

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3.9 HAZARDS AND HAZARDOUS MATERIALS

3.9.1 Introduction

This section describes the potential hazards to the environment that would result from implementation of the proposed Project. Existing regulations governing use, cleanup and transport of hazardous materials are summarized, as well as, potential cleanup efforts of suspect lead impacted soil, and preventative measures implemented as part of the construction, start-up, and operation of the facility.

Guidelines and key sources of data used in the preparation of this section include the following:

- Aerial photography
- Site plans and project renderings
- County Land Use and Emergency Response Plans
- TRC Phase I Environmental Site Assessment for the property dated August 2023 (Appendix G)

3.9.2 Existing Environmental Setting

The project site is currently owned by Dow Chemical Company and four buildings used for material storage, a laboratory, an empty shed (currently unused), an inactive water tower (in the northeast corner of the project site), as well as rail spurs along the southern and southwestern property boundaries are present on the project site. The existing buildings are utilized by Corteva, Generon, and Schlumberger primarily for storage and the railroad spurs are also utilized by Corteva. The remainder of the project site is unpaved and paved parking as well as equipment storage and vegetation. A stormwater outfall and collection system is also present along the eastern property boundary. Currently, hazardous material storage from current tenants (Generon and Schlumberger) occupies approximately 7,000 square feet in the northern portion of the project site.

Ethyl Corporation operated on the project site between 1958 and 1963. Based on review of waste discharge requirements (San Francisco Bay Regional Water Quality Control Board's Order No. R2-2002-0007, Ethyl Corporation used and stored chemicals to manufacture tetraethyl lead prior to DOW Chemical Company's purchase of the property in 1982. Soil samples collected in 1979 (California Regional Water Quality Control Board San Francisco Bay Region tentative order with The Dow Chemical Company, Undated) detected lead in surface soils from 50 to 638 mg/kg and in 1990 groundwater sampling detected carbon tetrachloride, chloroform, and trichloroethylene up to 10, 1.4, and 1.2 mg/L respectively. The project site was incorporated into the corrective action under the Hazardous Waste Management Program oversight at the DOW Chemical Company property that is now under the direction of the San Francisco Bay Regional Water Quality Control Board (Board) -ORDER No. R2-2002-0007. The project site was considered part of the Dow 900/1000 Block Solid Waste Management Unit (SWMU) which is now considered closed. Groundwater monitoring was previously performed in accordance with the cleanup order. Groundwater extraction wells were installed to contain an isolated low level Volatile Organic Compounds (VOC) plume and were operated between April 1992 and February 1995. A Workplan for groundwater investigation

was submitted to the Board in August 2002, but was not implemented. Groundwater concentrations of contaminants were reported to be low to non-detect during the final sampling event.

3.9.3 Regulatory and Policy Context

3.9.3.1 Federal

3.9.3.1.1 The Federal Toxic Substances Control Act (1976) and the Resource Conservation and Recovery Act of 1976

These acts established a program administered by the United States Environmental Protection Agency (EPA) for the regulation of the generation, transportation, treatment, storage and disposal of hazardous waste. This federal regulation is codified in 40 Code of Federal Regulations (CFR). The Resource Conservation and Recovery Act (RCRA) was amended in 1984 by the Hazardous and Solid Waste Act, which affirmed and extended the “cradle-to-grave” system of regulating hazardous wastes. Among other things, the Hazardous and Solid Waste Act prohibited use of certain techniques for the disposal of some hazardous wastes. Individual states, including California, may implement their own hazardous waste programs under the RCRA with approval by the EPA. In 1992, the California Department of Toxic Substances Control (DTSC) received authorization from the EPA to implement RCRA, Subtitle C requirements and the associated regulations in California.

3.9.3.1.2 The Comprehensive Environmental Response, Compensation and Liability Act (Enacted 1980), Amended by the Superfund Amendments and Reauthorization Act (1986)

This law provides broad federal authority to respond directly to releases or threatened releases of hazardous substances that may endanger public health or the environment. Among other things, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) established requirements concerning closed and abandoned hazardous waste sites, provided for liability of persons responsible for releases of hazardous waste at these sites, and established a trust fund to provide for cleanup when no responsible party could be identified. CERCLA also enabled revision of the National Contingency Plan, which provided the guidelines and procedures needed to respond to releases and threatened releases of hazardous substances, pollutants or contaminants. The National Contingency Plan also established the National Priorities List.

3.9.3.1.3 EPA Emergency Planning and Community Right-to-Know Act

The objectives of the Emergency Planning and Community Right-to-Know Act (EPCRA) are to: (1) allow state and local planning for chemical emergencies, (2) provide for notification of emergency releases of chemicals, and (3) address communities' right-to-know about toxic and hazardous chemicals. EPCRA Section 302 requires facilities to notify the State Emergency Response Commission and local Emergency Response Committees of the presence of "extremely hazardous substances" (40 CFR Part 355 lists specific substances) if it has such a substance in excess of the substance's threshold planning quantity, and directs the facility to appoint an emergency response coordinator. Implementation of EPCRA has been delegated to the State of California. The California Emergency Management Agency requires businesses to develop a Hazardous Materials Business Plan if they handle (including storage) hazardous materials in quantities equal to or greater

than 55 gallons, 500 pounds or 200 cubic feet of gas or extremely hazardous substances above the threshold planning quantity. The Plan includes inventories of hazardous materials, an emergency plan, and implements a training program for employees. This plan is required to be submitted to the Certified Unified Permitting Agency (CUPA), which is Contra Costa County (County) Health Services in the Martinez area, for use by state and local emergency response agencies.

3.9.3.1.4 United States Department of Transportation Hazardous Materials Regulations (49 CFR Parts 100-185)

The United States Department of Transportation (USDOT) Hazardous Materials Regulations cover all aspects of hazardous materials packaging, handling and transportation. Parts 172 (Emergency Response), 173 (Packaging Requirements), 174 (Rail Transportation), 177 (Highway Transportation), 178 (Packaging Specifications) and 180 (Packaging Maintenance) would all apply to the proposed project activities.

3.9.3.1.5 The Hazardous Materials Transportation Act, (49 CFR 171 Subchapter C)

The Hazardous Materials Transportation Act (HMTA) is federal legislation that regulates transportation of hazardous materials. The primary objective of the HMTA is to provide adequate protection against the risks to life and property inherent in the transportation of hazardous material in commerce by improving the regulatory and enforcement authority of the Secretary of Transportation. A hazardous material, as defined by the Secretary of Transportation, is any “particular quantity or form” of a material that “may pose an unreasonable risk to health and safety or property.” The primary regulatory authorities are the USDOT, the Federal Highway Administration and the Federal Railroad Administration. The HMTA requires that carriers report accidental releases of hazardous materials to the USDOT at the earliest practical moment (49 CFR Subchapter C). Incidents that must be reported include deaths, injuries requiring hospitalization and property damage exceeding \$50,000. The California Department of Transportation (Caltrans) sets similar standards for trucks in California. The Caltrans and federal regulations are enforced by the California Highway Patrol (CHP).

3.9.3.1.6 Accidental Release – Risk Management Plans (40 CFR Part 68)

The Risk Management Plan (RMP) rule requires facilities that use extremely hazardous substances to develop an RMP that identifies the potential effects of a chemical accident, identifies steps the facility is taking to prevent an accident and spells out emergency response procedures should an accident occur. These plans provide information to local fire, police and emergency response personnel to prepare for and respond to chemical emergencies in their community. The RMP rule was built upon existing industry codes and standards. It requires facilities that use listed regulated Toxic or Flammable Substances for Accidental Release Prevention to develop an RMP and submit that plan to EPA.

3.9.3.1.7 Chemical Facility Anti-Terrorism Standards

The Chemical Facility Anti-Terrorism Standards are a set of federal security regulations for high-risk chemical facilities such as chemical plants, electrical generating facilities, refineries and universities. The Federal Department of Homeland Security promulgated the final rule containing

the Chemical Facility Anti-Terrorism Standards in 2007. This rule established risk-based performance standards for the security of chemical facilities. It requires covered chemical facilities to prepare Security Vulnerability Assessments, which identify facility security vulnerabilities, and to develop and implement Site Security Plans.

3.9.3.1.8 Spill Prevention, Control, and Countermeasure Rule (40 CFR Part 112)

The Spill Prevention, Control, and Countermeasure (SPCC) rule includes requirements for oil spill prevention, preparedness and response to prevent oil discharges to navigable waters and adjoining shorelines. The rule requires specific facilities to prepare, amend and implement SPCC Plans. SPCC Plans require applicable facilities to take steps to prevent oil spills including: (1) using suitable storage containers/tanks; (2) providing overfill prevention, e.g., high-level alarms; (3) providing secondary containment for bulk storage tanks; (4) providing secondary containment to catch oil spills during transfer activities and (5) periodically inspecting and testing pipes and containers. The SPCC rule is part of the Oil Pollution Prevention regulations.

3.9.3.2 State

3.9.3.2.1 Department of Toxic Substances Control

The California Department of Toxic Substances and Control (DTSC) is a sub-department under the CalEPA and manages the federal hazardous waste program within the state. The department regulates the lifecycle of hazardous waste and sets goals for reducing hazardous waste production. The program follows federal and state law to ensure hazardous waste managers correctly handle, store, transport, dispose, reduce, and clean waste, and are equipped in the event of an emergency.

3.9.3.2.2 CalRecycle

California's Department of Resources Recycling and Recovery (CalRecycle) brings together the state's recycling and waste management programs to move the state towards a circular economy that reduces waste and reuses all materials. Through landmark initiatives like the Integrated Waste Management Act and Beverage Container Recycling and Litter Reduction Act, California works toward a society that uses less, recycles more, and takes resource conservation to higher and higher levels. CalRecycle's Mission is to protect California's environment and climate for the health and prosperity of future generations through the reduction, reuse and recycling of California resources, environmental education, disaster recovery and the transition from a disposable to a fully circular economy.

3.9.3.2.3 California Health and Safety Code

The California Health and Safety Code defines hazardous materials in section 25501(m) and contains requirements regarding the preparation of Hazardous Materials Business Plans in Section 25505. Health and Safety Code Division 20, Chapter 6.95 requires any business that handles more than a specified amount of hazardous or extremely hazardous materials, termed a "reportable quantity," to submit a Hazardous Materials Business Plan to its CUPA. Business plans must include an inventory of the types, quantities and locations of hazardous materials at the facility. Businesses are required to update their business plans at least once every 3 years and the chemical portion of

their plans every year. Also, business plans must include emergency response plans and procedures to be used in the event of a significant or threatened significant release of a hazardous material. These plans must identify the procedures to follow for immediate notification to all appropriate agencies and personnel of a release, identification of local emergency medical assistance appropriate for potential accident scenarios, contact information for all company emergency coordinators, a listing and location of emergency equipment at the business, an evacuation plan and a training program for business personnel. Emergency notification of a hazardous chemical releases are covered under Health and Safety Code Sections 25270.7, 25270.8 and 25507.

3.9.3.2.4 California Occupational Health and Safety

California Division of Occupational Health and Safety (Cal/OSHA) works to protect and improve the health and safety of workers in California by setting and enforcing safety standards; providing outreach, education and assistance; and issuing permits, licenses, certifications, registrations and approvals. Cal/OSHA is also the primary agency responsible for worker safety in the handling and use of chemicals in the workplace and requires the employer to monitor worker exposure to listed hazardous substances and notify workers of exposure (8 California Code of Regulations [CCR] Sections 337-340). The Cal/OSHA standards are generally more stringent than federal regulations.

3.9.3.2.5 California Hazardous Waste Control Law

The California Hazardous Waste Control Law is administered by the California Environmental Protection Agency (CalEPA) to regulate hazardous wastes within the State of California. While the California Hazardous Waste Control Law is generally more stringent than RCRA, both the state and federal laws apply in California. The DTSC, one of six departments that comprises the CalEPA, is the primary agency in charge of enforcing both the federal and state hazardous materials laws in California. The DTSC manages the federal hazardous waste program within the state and regulates the lifecycle of hazardous waste and sets goals for reducing hazardous waste production. The program follows federal and state law to ensure hazardous waste managers correctly handle, store, transport, dispose, reduce and clean waste, and are equipped in the event of an emergency.

3.9.3.2.6 California Accident Release Prevention Program

The California Accident Release Prevention (CalARP) Program (19 CCR Division 2, Chapter 4.5) requires the preparation of RMPs. RMPs are documents prepared by the owner or operator of a stationary source and contain detailed information including: (1) regulated substances held on site at the stationary source; (2) off-site consequences of an accidental release of a regulated substance; (3) the accident history at the stationary source; (4) the emergency response program for the stationary source; (5) coordination with local emergency responders; (6) hazard review or process hazard analysis; (7) operating procedures at the stationary source; (8) training of the stationary source's personnel; (9) maintenance and mechanical integrity of the stationary source's physical plant and (10) incident investigation.

3.9.3.2.7 Government Code Section 65962.5 (Cortese List)

Section 65962.5 of the Government Code requires CalEPA to develop and update a list of hazardous waste and substances sites, known as the Cortese List. The Cortese List is used by the

state, local agencies and developers to comply with CEQA requirements. The Cortese List includes hazardous substance release sites identified by DTSC, State Water Resources Control Board (SWRCB) and CalRecycle.

3.9.3.2.8 Hazardous Materials Disclosure Program

The Unified Program administered by the State of California consolidates, coordinates and makes consistent the administrative requirements, permits, inspections and enforcement activities for the state's environmental and emergency management programs, which include Hazardous Materials Release Response Plans and Inventories (business plans), the CalARP Program, the Underground Storage Tank Program, the Aboveground Petroleum Storage Tank Program, the Hazardous Waste Generator and On-site Hazardous Waste Treatment (tiered permitting) Programs, and the California Uniform Fire Code, Hazardous Material Management Plans and Hazardous Material Inventory Statements. The Unified Program is implemented at the local government level by CUPAs. Contra Costa County, Department of Environmental Health, Hazardous Materials Program (the County) is the CUPA for the County.

3.9.3.2.9 Hazardous Materials Transportation in California

California regulates the transportation of hazardous waste originating or passing through the state in 13 CCR. The CHP and Caltrans have primary responsibility for enforcing federal and state regulations and responding to hazardous materials transportation emergencies. The CHP enforces materials and hazardous waste labeling and packing regulations that prevent leakage and spills of material in transit and provide detailed information to cleanup crews in the event of an incident. Vehicle and equipment inspection, shipment preparation, container identification and shipping documentation are part of the responsibility of the CHP. Caltrans has emergency chemical spill identification teams located throughout the state.

3.9.3.2.10 Process Safety Management of Acutely Hazardous Chemicals (CCR Section 5189)

These regulations contain requirements for preventing or minimizing the consequences of catastrophic releases of toxic, reactive, flammable or explosive chemicals. The establishment of process safety management regulations are intended to eliminate, to a substantial degree, the risks to which employees are exposed in petroleum refineries, chemical plants and other facilities. California is a "State Plan" jurisdiction for federal OSHA regulations, and this rule is the state version of federal Process Safety Management rules.

3.9.3.3 Local

3.9.3.3.1 San Francisco Bay Regional Water Quality Control Board

The San Francisco Bay Regional Water Quality Control Board (Board) regulates discharges and releases to surface and groundwater in the project area, has direct regulatory oversight of the project site and generally oversees cases involving groundwater contamination.

As discussed above the project site was incorporated into the corrective action under the Hazardous Waste Management Program oversight at the DOW Chemical Company property that is now under

the direction of the Board. The project site was considered part of the Dow 900/1000 Block SWMU which is now considered closed. Groundwater monitoring was previously performed in accordance with the cleanup order.

3.9.3.3.2 Contra Costa County Health Services, Hazardous Materials Department

The County is the CUPA through contract with the state. The County administers the CalARP Program and Industrial Safety Ordinances (ISO) by the County as well as the Hazardous Materials Business Plan, aboveground and underground storage tank programs.

3.9.3.3.3 Contra Costa County Ordinance Code 450-8

The County has adopted an ISO that addresses the human factors that lead to accidents. The ordinance requires stationary sources to develop a written human factors program that considers human factors as part of process hazards analyses, incident investigations, training and operating procedures, among others.

3.9.4 Impacts and Mitigation Measures

The following describes the methodologies and assumptions that were utilized to determine potential hazards and hazardous materials impacts associated with the proposed Project:

- Identifying present hazards and foreseeable scenarios that could result in exposure of persons or the environment to a project hazard.
- Assessing the probability of foreseeable upset and worst-case upset scenarios, considering project design and operational controls, existing regulatory requirements applicable to the proposed Project and other relevant factors.
- Identifying potential consequences of foreseeable and worst-case scenarios considering existing environmental conditions and regulatory requirements for response planning and preparedness.
- Identifying significant hazardous materials risks based on probability and potential consequences of foreseeable upset and worst-case upset conditions.
- Evaluating the proposed Project for possible effects on adopted emergency response plans.

Several sources of information were reviewed for this analysis to determine whether construction and/or operation of the proposed Project could have the potential to create significant adverse impacts relating to hazards and hazardous materials. These sources included SWRCB GeoTracker database records for the project site and local emergency response plans and local municipal codes.

Hazards at a facility can occur due to natural events, such as an earthquake, and non-natural events, such as mechanical failure or human error. A hazard analysis generally considers compounds or physical forces that can migrate off site and result in acute health effects to individuals outside the proposed project site. The hazards can be defined in terms of the distance that a release would travel,

or the number of individuals of the public affected by a maximum single event defined as a “worst-case” scenario.

The major types of public safety risks at the plant would consist of risk from accidental releases of regulated substances and from major fires and explosions. Shipping, handling, storing and disposing hazardous materials inherently poses a certain risk of a release to the environment. The anticipated regulated substances that would be handled by the facility include: sulfuric acid; hydrogen; ammonia (anhydrous).

The principal modes of product transportation will be trucks. It is anticipated that there would be waste feedstock delivery to the proposed facility as well as return of rejected feedstock. The proposed facility would produce renewable hydrogen and non-hazardous vitrified slag byproduct. Hydrogen produced by the proposed facility would be transported in tube trailers.

Non-hazardous, vitrified slag byproduct could potentially be repurposed for beneficial use as a roadbed or concrete aggregate or alternatively, the slag byproduct could be disposed in a landfill. This would require supplemental supply and disposal truck traffic to transport slag byproduct.

3.9.4.1 Significance Criteria

The proposed Project would have a significant hazards and hazardous materials impact requiring mitigation if it would:

- a. Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials;
- b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment;
- c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances or waste within one-quarter mile of an existing or proposed school;
- d. Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment;
- e. For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, result in a safety hazard or excessive noise for people residing or working in the project area;
- f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan; or
- g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires.

3.9.5 Impacts and Mitigation Measures

Construction-Related Impacts

- a. **Would the proposed Project create a hazard to workers, the public and/or the environment through the routine transport, use, and/or disposal of hazardous materials? (HAZ-C1)**

No. As discussed in the Project Description the proposed Project would convert a variety of organic and biomass wastes into low-carbon hydrogen for use in commercial markets including the transportation sector. These wastes (otherwise described as “feedstock”) include municipal wastes (specifically organic portions), agricultural wastes, and forest thinnings.

Construction activities associated with the proposed Project would utilize hazardous and flammable substances such as fuels, lubricating oils, solvents, hydraulic fluid and compressed gases during existing infrastructure demolition and site grading and construction. Once the project site has been cleared, concrete foundations would be installed to support the buildings and equipment. Building materials and equipment modules would be delivered by truck, rail or barge and installed using cranes. Plant modules and systems would be connected, tested and commissioned. The potential exists for an accidental release of these hazardous materials during routine hazardous materials transport related to construction.

Construction activities also have the potential to result in exposure to these hazardous materials by workers or by the public if access to the construction site is not adequately controlled or if the materials are not properly handled and contained. Potential hazards to workers, the public and the environment from routine use, transport or disposal of hazardous materials handled for routine construction would be limited by existing pollution prevention, waste management, worker health and safety and transportation safety regulations such as OSHA and Cal/OSHA, CCR Title 8 and USDOT, RCRA and federal and state regulations and would reduce the potential for releases of hazardous materials that would be routinely transported, used and disposed during the proposed project construction.

The amount of hazardous chemicals that would be present during construction is limited and would be in compliance with government regulations. The potential for the release of hazardous materials during project construction is low, and even if a release were to occur, it would not result in a significant hazard to the public, surrounding land uses, or environment, due to the small quantities of these materials associated with construction vehicles. Therefore, potential impacts from the routine transport, use or disposal of hazardous materials during construction of the proposed Project would be less than significant, and no mitigation would be required.

Significance Level: Less than Significant. No mitigation required.

- b. **Would the proposed Project create a hazard to workers, the public, and/or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment? (HAZ-C2)**

No. As discussed above, there is known elevated concentrations of lead in the subsurface of the project site (near-surface soils) as well as potential VOCs in groundwater and there is a potential to encounter hazardous materials during project construction. No known remediation activities have

taken place on site. Based on the current project plan, grading and excavation for the proposed Project is expected to be limited to trenching to provide utilities to new infrastructure and grading to develop stable foundations for new facilities. Where project construction involves soil excavation, exposure to hazardous materials could occur if such materials are present in excavation locations. Regulations such as 8 CCR 1511 would require that, prior to construction, Site conditions be thoroughly surveyed to determine, to the extent practicable, the likelihood of encountering hazardous materials and its impact on workers. In addition to regulatory requirements, for construction activities where impacted soils and/or groundwater may be encountered, implementation of a Soil Management Plan (SMP) would be necessary to identify procedures for addressing impacted soils and/or groundwater in excavations/trenches and for handling of such soils in accordance with applicable laws and regulations, to ensure that releases to the environment or unacceptable levels of exposure by the public and workers do not occur.

In addition to subsurface impacts, there is the potential to encounter hazardous materials such as metals (lead) and asbestos in equipment and buildings that would be demolished as part of construction activities. To address potential material encounters, a survey of equipment and safeguards necessary to conduct the work safely for these or any other hazardous materials that may be encountered would be implemented in accordance with 29 CFR 1926.1101 and 8 CCR 1511, 1529 and 1532 and existing facility programs. In situations where employees are subject to known job-site hazards, they would be instructed in the recognition of the hazard, procedures to protect themselves from injury, and first aid procedures in the event of an injury. Protective measures required by these regulations include but are not limited to training, oversight by competent individuals, personal protective equipment such as respirators and special clothing for workers and required engineering controls and work practices to limit exposure to a safe level and to prevent releases to the environment.

In summary, construction activities could result in accidental releases of hazardous materials. There is also the potential to encounter impacted soil and/or groundwater that could result in the disturbance and reuse of soil potentially impacted with hazardous materials that could result in impacts to construction workers, the public and/or the environment. Compliance with federal and state regulations discussed above as well as implementation of an SMP would reduce potential impacts from an accidental release of hazardous materials, encounters with impacted soil and groundwater and/or disturbance/reuse of soil impacted with hazardous materials during construction. With these measures, unhealthful levels of exposure by workers or the public, or releases to the environment, would not be expected; and therefore, potential for exposure to existing hazardous materials would be less than significant.

Significance Level: Less than Significant. No mitigation required.

c. Would the proposed Project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? (HAZ-C3).

No. The closest school to the project site is Turner Elementary School, which is located over 1.0 mile south of the facility's proposed southern property line. The proposed Project would not result in physical changes or modifications that would generate hazardous emissions or result in the handling of hazardous or acutely hazardous materials, substances or waste within 0.25 mile of an

existing or proposed school. Therefore, no increase in hazardous emissions that impact a school site is expected due to the proposed Project.

Significance Level: Less than Significant. No mitigation required.

d. Would the proposed Project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, create a significant hazard to the public or the environment? (HAZ-C4).

No. As discussed above, the site was subject to Water Board Order No. R2-2002-0007. Under Government Code, Section 65962.5, a list of facilities that are subject to RCRA permits or site cleanup activities was developed, which the project site falls under. However, the SWMU which was covered in the Order and is now considered closed. As a result, the currently proposed Project changes are not expected to have an impact on these cleanup actions nor create any additional hazards to the public or the environment associated with cleanup activities. Development of a SMP would be necessary to handle potentially impacted soil and groundwater during construction activities.

Significance Level: Less than Significant. No mitigation required.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area? (HAZ-C5) .

No. The nearest airport is the Buchanan Field Airport, which is located approximately 5.5 miles southwest of the project site. Airport Influence Areas are used in land use planning to identify areas commonly overflown by aircraft as they approach and depart an airport, or as they fly within established airport traffic patterns. The Buchanan Field Airport Influence Area is defined as the area within 14,000 feet of the ends of the primary surfaces for runways. The Contra Costa County Airport Land Use Compatibility Plan (County 2000) Countywide Policy 4.3.5 requires a Federal Aviation Administration (FAA) review and approval of structures over 200 feet in height. The proposed Project includes construction of equipment for processing feedstocks, with the tallest structure not exceeding 100 feet in height. Therefore, the proposed Project is not expected to result in a safety risk associated with operations at the Buchanan Field Airport.

Significance Level: Less than Significant. No mitigation required.

f. Would the proposed Project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? (HAZ-C6).

No. The Contra Costa County Emergency Operations Plan (County 2015) and Hazard Mitigation Plan (Tetrattech 2018) established policies and procedures for coordination of various emergency staff and elements utilizing the California Standardized Emergency Management System (EMSs). No potential project construction or operational conflicts were identified through the review of these plans. Construction activities would occur within the boundaries of the project site, therefore, no emergency response plans at other facilities would be impacted. It will be necessary for the proposed facility to prepare, adopt, and implement an emergency response plan at its facility following the

completion of construction activities. The proposed Project would not be expected to result in significant impacts to other facility emergency response plans in the project vicinity.

Significance Level: Less than Significant. No mitigation required.

g. Would the proposed Project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fire. (HAZ-C7)

No. The California Department of Forestry and Fire Protection (CalFIRE) maps areas of significant fire hazard based on fuels, terrain, weather and other relevant factors. These zones, referred to as Fire Hazard Severity Zones, determine the requirements for special building codes designed to reduce the potential impacts of wildland fires on urban structures. The project site and surrounding areas are not located within a Very High Fire Hazard Severity Zone, as the area is urbanized, is located adjacent to the Bay and marshlands, and is not located adjacent to wildland areas. The land in the northwestern, southern and eastern areas of the County are classified as Very High Fire Hazard Zones (VHFHZ) by CalFIRE; however there are no VHFHZ areas within the city of Pittsburg (City). The project site is well outside the VHFHZ, which indicates that it is not subject to significant wildfire hazard. Construction during the proposed Project would not be expected to have an impact related to wildland fires.

Significance Level: Less than Significant. No mitigation required.

Operational Impacts

a. Would the proposed Project create a hazard to workers, the public and/or the environment through the routine transport, use, and/or disposal of hazardous materials? (HAZ-O1)

No. As discussed above in Construction Impacts (HAZ-C1), the proposed Project as discussed in the Project Description would convert a variety of organic and biomass wastes into low-carbon hydrogen for use in commercial markets including the transportation sector. These wastes (otherwise described as “feedstock”) include municipal wastes (specifically organic portions), agricultural wastes, and forest thinning’s.

The feedstock will be composed of pre-sorted municipal solid waste] and will be delivered to the site on the enclosed tipping floor via truck and inspected upon arrival. Any materials that may damage the shredder and processing equipment or that are not suitable for conversion, such as large pieces of concrete, will also be removed. The feedstock will then undergo shredding to reduce the material to a uniform size followed by a series of processing steps, where inert heavies (glass, rocks), inert fines (sand), ferrous and non-ferrous metals and plastics are partially recovered, leaving an organic-rich feedstock.

During the conversion step, metallic components in the waste are removed as molten slag, a non-hazardous material. The slag will be granulated, stored and transported off site for use as a recycled product, such as construction aggregate, or for disposal. The facility anticipates generating up to 20,000 tons per year of slag.

As discussed above, the proposed Project would convert a variety of organic and biomass wastes into low-carbon hydrogen for use in commercial markets and no hazardous waste would be accepted.

The resulting process would produce renewable hydrogen and non-hazardous vitrified slag byproduct. The proposed facility would be designed and constructed to comply with all National Fire Protection Association codes and regulations.

Because no hazardous waste will be accepted, the process will not utilize hazardous materials, and hazardous materials will not be generated, the magnitude of hazard due to the proposed Project should be considered less than significant under County Code, and the magnitude of hazard from the proposed Project is expected to be less than significant.

Significance Level: Less than Significant. No mitigation required.

b. Would the proposed Project create a hazard to workers, the public, and/or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment? (HAZ-O2)

No. As discussed above in Construction-related impacts (HAZ-C2) no hazardous waste will be accepted, the process will not utilize hazardous materials, and hazardous materials will not be generated. The proposed Project would utilize natural gas to operate processing equipment; however, hazardous materials such as fuels used to operate equipment used to move feedstock and materials that may damage processing equipment may be stored on site. Additionally, lubricants would be necessary to maintain equipment and would need to be stored on site.

A number of existing regulations apply to the use, handling, storage and disposal of hazardous materials; specifically, Health and Safety Code Section 25506 requires all businesses handling hazardous materials to submit a business emergency response plan to assist local administering agencies in the emergency release or threatened release of a hazardous material. The proposed facility would develop a plan associated with the proposed Project.

The use of hazardous materials is also regulated by Cal/OSHA, and requirements include providing adequate ventilation, using recommended personal protective equipment and clothing, posting appropriate signs and warnings and providing adequate worker health and safety training. The exposure of employees is also regulated by Cal/OSHA in Title 8 of the CCR, and specifically 8 CCR 5155, which establishes permissible exposure levels and short-term exposure levels for various chemicals. Under Contra Costa County Municipal Code 450-8, the facility is required to have a Safety Plan in place and conduct audits of these plans. These requirements protect the health and safety of the workers, as well as the nearby population including sensitive receptors and for the continued operation of the facilities.

Compliance with these and other federal, state and local regulations and proper operation and maintenance of equipment would minimize the potential impacts of hazardous materials, and therefore, potential for exposure to existing hazardous materials would be less than significant.

Significance Level: Less than Significant. No mitigation required.

c. Would the proposed Project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? (HAZ-O3).

No. As discussed above in Construction-related impacts (HAZ-C3), the closest school is Turner Elementary School, which is located over 1.0 mile south of the project site. The proposed Project would not result in physical changes or modifications that would generate hazardous emissions or result in the handling of hazardous or acutely hazardous materials, substances or waste within 0.25 mile of an existing or proposed school. Therefore, no increase in hazardous emissions that impact a school site is expected due to the proposed Project.

Significance Level: Less than Significant. No mitigation required.

d. Would the proposed Project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, create a significant hazard to the public or the environment? (HAZ-O4)

No. As discussed above in Construction-related impacts (HAZ-C4), the site was subject to Water Board Order No. R2-2002-0007, which addresses soil and groundwater impacts. However, the SWMU which was covered in the Order is now considered closed. The proposed Project would have no effect on cleanup actions nor otherwise impede implementation of the existing Order. As the SWMU is considered closed, the currently proposed Project operations are not expected to impact cleanup actions nor create additional hazards to the public or the environment associated with cleanup activities.

Significance Level: Less than Significant. No mitigation required.

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area? (HAZ-O5)

No. As discussed above in Construction-related impacts (HAZ-C5), the closest airport is the Buchanan Field Airport which is located approximately 5.5 miles southwest of the project site, well outside of the Buchanan Field Airport Influence Area, which is defined as the area within 14,000 feet of the ends of the primary surfaces for runways. Further discussed in HAZ-5, the County Airport Land Use Compatibility Plan requires FAA review and approval of any structure over 200 feet in height. Because the proposed Project would not result in new structures that would exceed 200 feet in height, implementation of the proposed Project is not expected to result in additional safety risks associated with operations at the Buchanan Field Airport.

Significance Level: Less than Significant. No mitigation required.

f. Would the proposed Project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? (HAZ-O6)

No. As discussed in Construction-related impacts (HAZ-C6) above, the County Emergency Operations and Hazard Mitigation Plans (County 2015 and Tetrattech 2018, respectively) establish policies and procedures for coordination of various emergency staff and elements utilizing EMSs. Prior to commencing operations of the proposed Project, an emergency response plan will be prepared, adopted and implemented.

Significance Level: Less than Significant. No mitigation required.

g. Would the proposed Project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fire? (HAZ-7)

No. As discussed in Construction-related impacts (HAZ-C7) above, the project site is not located within a Very High Fire Hazard Severity Zone (CalFIRE). The proposed Project is situated significantly outside the Very High Fire Hazard Zone and is thereby not subject to significant wildfire hazard. Implementation of the proposed Project would not be expected to have an impact related to wildland fires.

Significance Level: Less than Significant. No mitigation required.

3.9.6 References

Contra Costa County (County). 2000. Contra Costa County Airport Land Use Compatibility Plan, Contra Costa County, California. Adopted December 13.

County. 2015. Contra Costa County Emergency Operations Plan.

Regional Water Quality Control Board. 2018. Tentative Order—Updated Waste Discharge Requirements And Rescission of Order No. R2-2002-0007 for the Dow Chemical Company, Pittsburg Facility, Contra Costa County. January.

Tetrattech. 2018. Contra Costa County Hazard Mitigation Plan, Draft Final, Volume 1 Planning Area Wide Elements, Volume 2, Planning Partner Annexes. January.

TRC. 2023. Phase I Environmental Site Assessment.

3.10 HYDROLOGY AND WATER QUALITY

3.10.1 Introduction

The 24-acre project Study Area is located in the city of Pittsburg (City) along New York Slough, southeast of the Pittsburg Marina. The proposed Project will be 12 acres in size located at the corner of Arcy Lane where it turns west, approximately 0.4 mile north of Pittsburg-Antioch Highway. The Burlington Northern & Santa Fe (BNSF) Railroad runs west to east just south of the site. Union Pacific Railroad (UPRR) is located south of the project site. State Route (SR) 4 is south of the project site.

The Study Area surrounding the proposed project area is mostly vacant with some residual pieces of industrial equipment, a few railroad spurs, five buildings that account for less than one acre, and includes exterior and interior access roads that would be improved and maintained for the proposed Project. There is an existing industrial tenant using one building in the Study Area that could require relocation elsewhere within the Corteva industrial park. Permanent usage of the proposed renewable hydrogen facility would be approximately 12 acres of the 24-acre Study Area.

The project site is zoned as General Industrial (IG) and has a land use designation of Industrial in the City's 2020 General Plan (City of Pittsburg 2001). Guidelines and key sources of data used in the preparation of this section include the following:

- Regional plans
- Site plans
- Hazard maps
- Hydrology and Water Quality Technical Study, dated June 2023 (Appendix H)

3.10.2 Existing Environmental Setting

The project site and industrial facilities are all located within the 993-acre Corteva Industrial Park. Surrounding properties generally include industrial entities to the north and east, commercial use to the south, and mixed commercial and industrial use to the west. Adjoining properties to the northeast and southwest of the property are currently occupied by infrastructure associated with the former Dow Chemical manufacturing facility and tenant spaces occupied by Corteva Agriscience, Generon, and Delta Energy.

The proposed project area is currently graded and covered with an array of graveled ground, disturbed dirt, and concrete slabs that are primarily used for parking and storage. The proposed project site is mostly vacant with some residual pieces of industrial equipment, a few railroad spurs, and five buildings that account for less than one acre. Four buildings are used for material storage, a laboratory, and an empty shed which is currently unused. Unpaved and paved parking as well as equipment storage and vegetation, occur throughout the project site. There is also an inactive water tower in the northeast corner of the project site and railroad spurs along the southern and southwestern property boundaries. A City water line supplies potable water to the project site. Stormwater collection and infiltration structures are visible throughout the project site.

The landscape surrounding the Study Area is flat with elevations in and adjacent to the Study Area of approximately 10 to 25 feet above mean sea level. Surrounding land use includes developed industrial lands to the south and west of the project site. The New York Slough, Corteva Wetlands Preserve, and Kirker Creek/Dowest Slough are estuarine wetlands immediately adjacent to the north, east, and west of the project site.

The project site is located on the boundary between the Pittsburg Plain and San Joaquin Valley groundwater basins. No beneficial uses for groundwater in the Pittsburg Plain or San Joaquin Valley groundwater basins have been established.; however, potential beneficial uses of the Pittsburg Plain basin include municipal and domestic water supply; industrial process water supply; industrial service water supply; and agricultural water supply (San Francisco Bay Regional Water Quality Board [SFB-RWQCB] 2019).

3.10.2.1 San Francisco Bay

The San Francisco Bay encompasses approximately 1,600 square miles, and its estuary system is the terminus for approximately 40 percent of California watersheds. The San Francisco Bay itself can be divided into several geographical sections. South San Francisco Bay is the large body south of the Bay Bridge, and the Central Bay is a smaller body located between the Bay Bridge and the Richmond-San Rafael Bridge. San Pablo Bay is the large body north of the Richmond-San Rafael Bridge. From San Pablo Bay, the San Francisco Bay extends eastward to the delta of the Sacramento and San Joaquin Rivers (Delta). The South Bay is a semi-enclosed embayment with numerous small, local freshwater inflows.

Water from the Sacramento and San Joaquin Rivers of the Central Valley flows into the Delta, then into Suisun and San Pablo Bays, and finally into the Central Bay and out the Golden Gate strait. Some freshwater flows through the Delta and into the Bay, but much is diverted from the Bay for agricultural, residential and industrial purposes, as well as delivery to other cities in southern California as part of state and federal water projects (ABAG 2017).

Interactions between Delta outflow and Pacific Ocean tides determine how far saltwater intrudes into the Delta. Therefore, the salinity of the water can vary widely, and salinity levels in the Central Bay can vary from near oceanic levels to one-quarter as much, depending on the volume of freshwater runoff, which depends on factors such as precipitation, reservoir releases and upstream diversions (ABAG 2017).

The San Francisco Bay is located in a highly industrialized area and has a history of human impacts from both regulated point sources and nonpoint-source runoff, which can carry pollutants, including heavy metals, motor oil, paints, chemicals, debris, grease and/or detergents to local waters. The SFB-RWQCB has classified the San Francisco Bay and many of its tributaries as impaired for various water quality constituents, as required under Section 303(d) of the federal Clean Water Act (ABAG 2017). The San Francisco Bay is identified as impaired for multiple contaminants, including mercury, polychlorinated biphenyls (PCBs) and selenium (SFB-RWQCB 2019).

Water quality in the San Francisco Bay may be affected by many factors, including:

- geographic configuration of the San Francisco Bay,

- tidal exchange with the ocean,
- freshwater inflows,
- industrial and municipal wastewater discharges,
- dredging and dredge material disposal,
- urban and agricultural runoff,
- marine vessel discharges,
- historical mining activities,
- leaks and spills, and
- atmospheric deposition.

3.10.2.1.1 Regulatory Objectives and Criteria

To protect beneficial uses, SFB-RWQCB has established WQOs for waters covered by the San Francisco Bay Water Quality Control Plan (Basin Plan). The 2019 version of the Basin Plan and associated amendments were approved by the SWRCB, Office of Administrative Law and EPA as of November 5, 2019. Water quality criteria for priority toxic pollutants for California inland surface waters, enclosed bays and estuaries were established by the California Toxics Rule (EPA 2001). The following Table 3.10-1 shows the California Toxics Rule criteria for saltwater, which are also applicable to Suisun Bay.

Table 3.10-1: California Toxics Rule Criteria for Saltwater

Constituent	Criterion Maximum Concentration (µg/L)	Criterion Continuous Concentration (µg/L)
Arsenic	69	36
Cadmium	42	9.3
Hexavalent Chromium	1,100	50
Copper	4.8	3.1
Lead	210	8.1
Mercury	[Reserved]	[Reserved]
Nickel	74	8.2
Selenium	290	71
Silver	1.9	--
Zinc	90	81
Cyanide	1.0	1.0
Pentachlorophenol	13	7.9
Aldrin	1.3	--
gamma-BHC	0.16	--
Chlordane	0.09	0.004
4,4-DDT	0.13	0.001
Dieldrin	0.71	0.0019

Table 3.10-1: California Toxics Rule Criteria for Saltwater

Constituent	Criterion Maximum Concentration (µg/L)	Criterion Continuous Concentration (µg/L)
alpha-Endosulfan	0.034	0.0087
beta-Endosulfan	0.034	0.0087
Endrin	0.037	0.0023
Heptachlor	0.053	0.0036
Heptachlor Epoxide	0.053	0.0036
PCB-1242	--	0.03
PCB-1254	--	0.03
PCB-1221	--	0.03
PCB-1232	--	0.03
PCB-1248	--	0.03
PCB-1260	--	0.03
PCB-1016	--	0.03
Toxaphene	0.21	0.0002

Source: EPA, 2000

Physical Processes of San Francisco Bay

Water quality in the San Francisco Bay is greatly affected by tidal exchange with the Pacific Ocean. The difference between low and high tide for the San Francisco Bay Area is approximately 5 feet. Given the large surface area of the Bay, this difference results in large volumes of water flowing into and out of the San Francisco Bay with the change of tides. Waters from the Pacific Ocean are generally colder and more saline than waters in San Francisco Bay; therefore, the higher relative density of ocean water directs the tidal exchange to the deeper waters of the San Francisco Bay.

San Francisco Bay, especially the northern reach of San Pablo Bay, Carquinez Strait, Suisun Bay and the Delta, is also strongly influenced by freshwater flows with the Sacramento and San Joaquin Rivers acting as the largest sources. These freshwater flows are highly seasonal, and more than 90 percent of annual runoff occurs during the rainy winter season from October to April (SFB-RWQCB 2019). Because of the variable freshwater flows as well as the geometry of the Bay, circulation within the Bay can be relatively complicated and is driven primarily by tides. Freshwater flows into the Bay from the Delta also result in estuarine circulation, which is driven by the density difference between freshwater and saltwater.

Source of Pollutants to San Francisco Bay

The quality of regional surface water resources in the Bay Area varies considerably and is locally affected by point-source and nonpoint-source discharges throughout individual watersheds. The largest sources of pollutants to San Francisco Bay are nonpoint discharges, which include urban runoff, agricultural lands, and additional non-urban runoff. Nonpoint-source pollutants are transported into surface waters through rainfall, air and other pathways, and can include copper from

brake linings and lead from counterweights that can contribute heavy metals to local waters as well as other pollutants such as mercury, PCBs and pesticides (ABAG 2017).

In addition to nonpoint discharges, the Bay also receives discharge from regulated point sources. Discharges from point sources are those that are associated with pollutant discharges from a single location to a specific receiving water body. Major types of point sources include:

- Treated municipal sewage discharged from Publicly Owned Treatment Works, which often consist of a combination of domestic, industrial and commercial waste streams;
- Treated industrial wastewater resulting from industrial operations, processing, cleaning and cooling;
- Treated groundwater from cleanup of groundwater pollution sites; and
- Other miscellaneous types of discharges, including certain non-point sources with a physically identifiable point of discharge.

Point source discharges are generally controlled through waste discharge requirements issued under federal National Pollution Discharge Elimination System (NPDES) permits. The NPDES program was established by the CAA, although the permits are prepared and enforced in California by the respective regional water boards.

Atmospheric fallout can also deposit pollutants on land and surface waters. Deposits to water are a direct source, while deposits to the land can result in discharges to the San Francisco Bay via stormwater runoff. Major sources of atmospheric contamination include fuels and particulates from vehicles and other sources; building materials and products; windblown dust; and construction, manufacturing and industrial facilities (BCDC 2003).

Water and Sediment Quality in San Francisco Bay

The San Francisco Estuary Institute (SFEI) established a Regional Monitoring Program (RMP) for Trace Substances in 1993 and is a collaborative effort between the San Francisco Estuary Institute, the SFB-RWQCB, and the regulated discharger community (SFEI 2015). The primary goal of the RMP is to collect data and communicate information about water quality in San Francisco Bay in support of management decisions.

Water quality is monitored biennially at 22 sites, covering each of the bay segments. Key analytes for water comprise the California Toxics Rule list. Sediment samples are collected quadrennially at 27 sites during the dry season. Key analytes for sediment include mercury, PCBs, Polycyclic Aromatic Hydrocarbons (PAHs) and metals (SFEI 2020). Typically, a number of sampled locations will have water and/or sediments that exceed regulatory objectives or criteria for one or more analytes. The primary pollutants for the Bay and its major tributaries on the 303(d) List from the Clean Water Act include (SFEI 2019):

- **Trace elements:** Mercury and selenium
- **Pesticides:** Dieldrin, chlordane and DDT

- **Other chlorinated compounds:** PCBs, dioxin and furan compounds
- **Others:** Exotic species, trash, PAHs and indicator bacteria

Sea Level Rise

Sea level rise and the droughts and floods that are anticipated due to climate change will impact pollutant pathways to the Bay (SFEI 2019). Sea level rise is of particular concern to facilities with operational infrastructure located on or near the shoreline of San Francisco Bay. These facilities include municipal wastewater treatment plants, railroads, industrial facilities, and petroleum refineries. Sea level rise may also jeopardize low-lying storm drain infrastructure and/or expose contaminated shoreline areas to the forces of tides and waves.

A tide gauge at the Golden Gate Bridge has been in operation since 1854, and based on a 20-year rolling average, sea level at the Golden Gate rose 7.1 inches (0.18 meters) from 1916 to 2018 (SFEI 2019). Additionally, the San Francisco Bay Conservation and Development Commission's (BCDC) estimates that long-term global sea-level rise could be up to 16 inches over 50 years (BCDC 2011).

3.10.2.1.2 Suisun Bay and Carquinez Strait

Physical Characteristics

Of the water segments that make up the San Francisco Bay, Suisun Bay is the first water body that receives flows from the Sacramento and San Joaquin River watersheds. Fresh water from the rivers usually mixes with saltwater from the ocean in the vicinity of Suisun Bay. Suisun Bay is a shallow embayment located between Chipps Island to the east and the Benicia-Martinez Bridge to the west. Suisun Bay has a surface area of approximately 36 square miles, a mean depth of 14 feet and highly variable salinity levels depending on the time of year and amount of freshwater flow (USACE et al. 1998).

Previous models suggest that suspended-sediment transport within Suisun Bay follows a seasonal cycle with the majority of suspended sediment delivered during winter freshwater flows, creating a large pool of erodible sediment within the channels and shallows (Ganju and Schoellhamer 2006). During summer months, onshore winds generate waves that resuspend sediments in the shallows for transport by tidal currents from high energy areas (such as mudflats or shallow off-channel areas) to lower-energy areas (such as marinas or deep channels). Therefore, it has been assumed that Suisun Bay is predominantly depositional in the winter, and erosional in the summer (Ganju and Schoellhamer 2006).

The project site is also located east of Suisun Bay and the Carquinez Strait at the junction of the Sacramento River and San Joaquin River. The Carquinez Strait has a surface area of approximately 12 square miles, a mean depth of 29 feet (USACE et al. 1998), and variable salinity due to annual fluctuations in freshwater flow from the Sacramento-San Joaquin River system (USACE et al. 1998). Studies have identified gravitational circulation within the Carquinez Strait, with lighter freshwater moving seaward in the top layer and heavier saltwater moving upstream on the bottom (Ganju and Schoellhamer 2006). Deposition in Carquinez Strait is greatest during neap tides when vertical mixing is minimized, stratifying the water column; the following spring tides then resuspend this erodible bed sediment and mix the water column.

Water Quality

The amount of freshwater flow from the Delta significantly affects water column characteristics in waters near the project site and can result in variable annual water quality conditions. Pollutants reach Suisun Bay through discharge from sources including wastewater treatment plants, stormwater runoff and agricultural drain water. According to the SFB-RWQCB, Suisun Bay and Carquinez Strait are listed as impaired on the Clean Water Act Section 303(d) due to chlordane, DDT, dieldrin, dioxins, furan compounds, mercury, PCBs and selenium (SFB-RWQCB 2019).

The following Table 3.10-2, Regional Monitoring Program Water Quality, Sampling Station Contra Costa 56, shows RMP water quality sampling results available for sampling station Contra Costa 56, which is located in Kirker Creek at Dow Wetland Preserve and is the closest sampling point with recent data.

Table 3.10-2: Regional Monitoring Program Water Quality, Kirker Creek at Dow Wetland Preserve Sampling Station (Contra Costa 56)

Constituent	March 2014 RMP Data ¹
	Total
Cyhalothrin, Total lambda-, Total	Not Detected
Esfenvalerate	Not Detected
Imidacloprid	Not Detected
Deltamethrin	Not Detected
Fenpropathrin	Not Detected
Carbaryl	Not Detected
Dichlorophenoxyacetic Acid, 2,4-	Not Detected
Fipronil Desulfinyl Amide	Not Detected
Fipronil Desulfinyl	0.0071
Fipronil Sulfide	0.004
Cypermethrin, Total	Not Detected
Permethrin, Total	Not Detected
Fipronil Amide	Not Detected
Pendimethalin	Not Detected
Triclopyr	0.0896
Bifenthrin	Not Detected
Cyfluthrin, Total	Not Detected
Diuron	0.1433
Fipronil Sulfone	0.0092
Fipronil	0.0024

All concentrations in micrograms per liter (µg/L).

The Basin Plan also lists beneficial uses for waterbodies covered by the plan (SFB-RWQCB 2019). Designated beneficial uses for waters in the project site (Suisun Bay) include:

- Industrial service supply
- Industrial process supply
- Commercial and sport fishing
- Estuarine habitat
- Fish migration
- Preservation of rare and endangered species
- Fish spawning
- Wildlife habitat
- Water contact recreation
- Noncontact water recreation
- Navigation

3.10.3 Regulatory Context

3.10.3.1 Federal

3.10.3.1.1 National Flood Insurance Program

The National Flood Insurance Program is managed by the Federal Emergency Management Agency (FEMA) and provides flood insurance to property owners, renters and businesses. The Program works with communities required to adopt and enforce floodplain management regulations that help mitigate flooding effects.

3.10.3.1.2 Clean Water Act

The Clean Water Act of 1972 (33 USC §1251 et seq.) regulates discharges of pollutants into the waters of the United States as well as quality standards for surface waters. Under the Clean Water Act, the United States Environmental Protection Agency (EPA) has implemented pollution control programs, such as setting wastewater standards for industry. EPA has also developed national water quality criteria recommendations for pollutants in surface waters.

Section 303(d) of the Clean Water Act authorizes the EPA to assist states in listing impaired waters and developing Total Maximum Daily Loads (TMDLs) for these waterbodies. A TMDL establishes the maximum amount of a pollutant allowed in a waterbody and serves as the starting point or planning tool for restoring water quality. SFB-RWQCB has classified the San Francisco Bay and many of its tributaries as impaired for various water quality constituents, as required by the Clean Water Act.

3.10.3.1.3 National Pollutant Discharge Elimination System

Created in 1972 by the Clean Water Act, the NPDES stormwater program specifies minimum standards for the quality of discharged waters. It requires states to establish standards specific to waterbodies and designate the types of pollutants to be regulated, including total suspended solids

and oil. Under NPDES, all point sources that discharge directly into waterways are required to obtain a permit regulating their discharge. NPDES permits fall under the jurisdiction of the State Water Resources Control Board (SWRCB) or Regional Water Quality Control Boards when the discharge occurs within the 3-nautical-mile territorial limit.

NPDES also requires permits for discharges from construction activities that disturb one or more acres, and discharges from smaller sites that are part of a larger common plan of development or sale. To obtain coverage under the Construction General Permit, a project-specific Stormwater Pollution Prevention Plan (SWPPP) must be prepared to discuss best practices to minimize impacts from discharges.

3.10.3.1.4 Rivers and Harbors Act

The Rivers and Harbors Act (33 USC §400 et seq.) governs specified activities in “navigable waters,” which are defined in 33 Code of Federal Regulations (CFR) §329.4 as waters subject to the ebb and flow of the tide or that are presently used, have been used, or may be susceptible to use to transport interstate or foreign commerce. This Act also limits the construction of structures and the discharge of fill into navigable waters of the United States.

3.10.3.2 State

3.10.3.2.1 California Sustainable Groundwater Management Act

Encompassing multiple state Senate and House bills, the Sustainable Groundwater Management Act (SGMA) was passed in 2014 and set forth a statewide framework to help protect groundwater resources over the long-term. SGMA requires local agencies to form groundwater sustainability agencies (GSAs) for the high and medium priority basins. GSAs are responsible for developing and implementing groundwater sustainability plans.

3.10.3.2.2 California Water Code

The Porter-Cologne Act (California Water Code, Division 7, §13000-16104) is the principal law governing water quality regulation in California. It establishes a comprehensive program to protect water quality and the beneficial uses of water. The Porter-Cologne Act applies to surface waters, wetlands, and groundwater and to both point and nonpoint sources of pollution.

California Water Code section 13142.5 provides marine water quality policies stating that wastewater discharges shall be treated to protect present and future beneficial uses, and, where feasible, to restore past beneficial uses of the receiving waters. The highest priority is given to improving or eliminating discharges that adversely affect wetlands, estuaries, and other biologically sensitive sites; areas important for water contact sports; areas that produce shellfish for human consumption; and ocean areas subject to massive waste discharge.

California Water Code section 13170.2 directs the SWRCB to formulate and adopt a water quality control plan for the ocean waters of California. The SWRCB first adopted this plan, known as the California Ocean Plan, in 1972, and the most recent update of the California Ocean Plan was completed in 2019. The California Ocean Plan establishes water quality objectives for California’s ocean waters, provides the basis for regulation of wastes discharged into coastal waters, and identifies

applicable beneficial uses of marine waters and sets narrative and numerical water quality objectives to protect beneficial uses.

3.10.3.2.3 California Clean Coast Act of 2005

The California Clean Coast Act (Public Resources Code, Division 38, §72400-72442) includes several requirements to reduce pollution of California waters from large vessels. The Act prohibits the operation of shipboard incinerators within 3 miles of the California coast; prohibits the discharge of hazardous wastes, other wastes, or oily bilge water into California waters or a marine sanctuary; prohibits the discharge of grey water and sewage into California waters from vessels with sufficient holding-tank capacity or vessels capable of discharging grey water and/or sewage to available shore-side reception facilities; and requires reports of prohibited discharges to the SWRCB.

3.10.3.2.4 Bay Protection and Toxic Cleanup Program Legislation

In 1989, the SWRCB was required to develop sediment quality objectives (SQOs) as part of a comprehensive program to protect beneficial uses in enclosed bays and estuaries. The objectives are required for “toxic pollutants” that were identified in toxic hot spots or that were identified as pollutants of concern by the SWRCB. In 2009, the SWRCB adopted SQOs and an implementation policy for bays and estuaries in the State (Part 1). Part 1 includes narrative SQOs for the protection of aquatic life and human health, identification of the beneficial uses that these objectives are intended to protect, and requirements for program of implementation.

3.10.3.3 Local

3.10.3.3.1 San Francisco Bay Basin Water Quality Control Plan 2019

The Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan; SFB-RWQCB, 2019) is the Board's master water quality control planning document. It designates beneficial uses and water quality objectives (WQOs) for waters of the State, including surface waters and groundwater. It also includes programs of implementation to achieve WQOs. The Porter-Cologne Water Quality Act requires the development and periodic review of Basin Plans that designate beneficial uses of California's major rivers and groundwater basins and establish numerical WQOs for those waters. The Basin Plan has been updated to reflect the Basin Plan amendments adopted up through May 4, 2017. The 2019 version of the Basin Plan incorporating all amendments approved by the Office of Administrative Law was approved as of November 5, 2019.

3.10.3.3.2 Municipal Regional Stormwater NPDES Permit

In November 2015, the SFB-RWQCB re-issued previous county-wide municipal stormwater permits as one Municipal Regional Stormwater NPDES Permit (Order No. R2-2015-0049; NPDES Permit No. CAS612008) to regulate stormwater discharges from municipalities and local agencies in Alameda, Contra Costa, San Mateo and Santa Clara counties, and the cities of Fairfield, Suisun City and Vallejo.

3.10.3.3.3 San Francisco Bay Plan

The San Francisco Bay Plan (Bay Plan) was prepared by the San Francisco Bay Conservation and Development Commission (BCDC 2019). The two objectives of the Bay Plan are to protect the Bay as a great natural resource for the benefit of present and future generations, as well as to develop the Bay and its shoreline to their highest potential with a minimum of Bay filling. Findings and policies related to these objectives are outlined and discussed in the most recent update of the Bay Plan.

3.10.4 Impacts and Mitigation Measures

Impacts of the proposed Project on hydrology and water quality were assessed by comparing existing conditions to potential changes from project construction and operation. The following subsections describe the proposed Project's potential impacts on water quality. Where impacts are determined to be significant, mitigation measures are described that would reduce or avoid the impact.

3.10.4.1 Significance Criteria

The proposed Project would have a significant impact to water quality and hydrology if it would:

- a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality.
- b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin.
- c. Substantially alter the existing drainage pattern of area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner that would:
 - i. result in substantial erosion or siltation on- or off-site.
 - ii. substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site.
 - iii. create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or
 - iv. impede or redirect flood flows.
- d. Risk release of pollutants due to project inundation in flood hazard, tsunami, or seiche zones
- e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan.

3.10.4.2 Impact Determination

3.10.4.2.1 Construction-Related Impacts

- a. **Would the proposed Project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality? (HWQ-C1)**

No. The proposed project construction would commence with site preparation activities, including demolition and removal of existing structures and site clearing. Demolition material would be recycled or disposed of at approved facilities. Once the project site has been cleared, concrete foundations would be installed to support the buildings and equipment. Building materials and equipment modules would be delivered by truck, rail or barge and installed using cranes. Plant modules and systems would be connected, tested and commissioned.

The project site is approximately 200 feet east of the historical channel of Kirker Creek, which flows intermittently during significant precipitation events and discharges to the New York Slough via Dowest Slough. Both Kirker Creek and Suisun Bay are considered Section 303(d) impaired waterbodies, but have existing beneficial uses, including Wildlife Habitat, Preservation of Rare and Endangered Species, and Contact and Non-Contact Recreations.

The proposed Project has the potential to impact surface water quality during construction and during operation. Construction activities may result in increased erosion and sedimentation, which can negatively impact surface water quality by increasing turbidity and reducing water clarity. This potential impact would be reduced by implementing effective erosion and sediment control measures, such as silt fences, sediment basins, and vegetative buffers, pursuant to requirements in Chapter 15.88 (Grading, Erosion and Sediment Control) of Pittsburg Municipal Code (PMC). The project Stormwater Pollution Prevention Plan will outline the required measures to be implemented to prevent pollutants from discharging into the stormwater stream. Wastewater from the proposed Project would be treated at the proposed wastewater treatment plant to meet appropriate discharge limits, then sent to the Delta Diablo Sanitary District (DDSD) wastewater treatment facility for disposal. A condition of approval requiring an interconnection for wastewater sewer to the DDSD system would mitigate potential impacts from wastewater discharges if needed with on-site industrial pretreatment. The need for this would depend on the chemical nature of the discharge.

Accidental spills or leaks of hazardous materials during construction could impact surface water quality. Although construction of the proposed Project involves the handling of hazardous materials, like fuels, oils, and lubricants, release risk in significant quantities is limited. This risk would be minimized through proper handling and storage of materials as well as having appropriate spill prevention and management plans in place.

Significance Level: Less than Significant. No mitigation required.

- b. **Would the proposed Project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the proposed Project may impede sustainable groundwater management of the basin? (HWQ-C2)**

No. Shallow groundwater underlying the project site is not currently used as a source of drinking water, and no additional groundwater use would be required for the proposed project construction;

potable or reclaimed water will be used during construction for dust suppression. Proposed Project construction activities are not expected to change recharge to groundwater. Therefore, the proposed project construction would have no impact on groundwater supplies or interfere with groundwater recharge.

Significance Level: No Impact. No mitigation would be required.

c. Would the proposed Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would (HWQ-C3):

i. result in substantial erosion or siltation on- or off-site? (HWQ-C3i)

No. Proposed project construction activities would be located within the existing project site, and the proposed project activities are not expected to result in the construction of additional impervious surfaces that would substantially alter existing drainage patterns. Access to the site would be obtained using existing roads, including East 3rd Street and Pittsburg Waterfront Road and as such would not contribute to additional erosion or siltation off site. The construction of the proposed Project could slightly alter the existing drainage pattern in the eastern portion of the site, but it is not anticipated that the construction or operation of the proposed Project would result in substantial erosion or siltation on- or off site. The installation of BMPs would prevent the track out and run-off of sediment from the site.

Project construction would be required to comply with existing permit regulations and waste discharge requirements, including the Construction Storm Water General Permit (NPDES). Following completion, ground surface would be stabilized and restored to the existing conditions. Therefore, project impacts are anticipated to be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

ii. substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site? (HWQ-C3ii)

No. Proposed project construction activities would be located within the existing project site, and the proposed project activities are not expected to result in the construction of additional impervious surfaces that would substantially alter existing drainage patterns. Construction activities are not expected to result in an increase in surface water runoff that would result in flooding on- or off-site. Installation of BMPs will prevent sedimentation to the Bay Delta via existing on-site stormwater drains. Therefore, the proposed project impacts are anticipated to be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

iii. substantially create or contribute to runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff? (HWQ-C3iii)

No. Proposed project construction activities would be located within the existing project site, and the proposed project activities are not expected to result in the construction of additional impervious

surfaces that would substantially alter existing drainage patterns. Construction activities are not expected to create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems. Therefore, the proposed project impacts are anticipated to be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

iv. Impede or redirect floor flows? (HWQ-C3iv)

No. Proposed project construction activities would be located within the existing project site, and the proposed project activities are not expected to result in the construction of additional impervious surfaces that would substantially alter existing drainage patterns. Construction activities are not expected to substantially alter drainage patterns to impede or redirect flood flows, and therefore, the proposed project impacts are anticipated to be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

d. Would the proposed Project, in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation? (HWQ-C4)

No. The northernmost operating portion of the project site, where modifications and/or construction is proposed, is designated by FEMA as an area determined to have a 0.2 percent annual chance, or 500-year probability, flood hazard (FEMA 2015).

The central portion of the project site is designated as Zone X (area of minimal flood hazard). Proposed construction activities would not result in physical changes in these designated areas. Therefore, the proposed Project would not create or substantially increase risks from flooding or expose people or structures to significant risk of loss, injury or death involving flooding.

Due to sea level rise, only the northernmost portion of the project site that is low-lying could be vulnerable to future coastal storm flooding. The operational area of the project site is designated as an Area of Minimal Flood Hazard (Zone X). Therefore, the risk release of pollutants due to inundation from sea level rise is less than significant.

A tsunami possibly affecting the Bay Area would originate in the Pacific Ocean before entering San Francisco Bay and likely dissipating through the wider and shallower water body. The Association of Bay Area Governments (ABAG) Hazard Viewer Map indicates that the project site is not located in a tsunami evacuation hazard zone (ABAG 2023). A seiche is the oscillation of a body of water and occurs most frequently in enclosed basins (i.e., lakes, bays, etc.). The portion of the project site where construction activities are proposed is not located in an inundation area.

Therefore, impacts of project construction are not expected to result in increased risk of pollutants due to inundation and would be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

e. Would the proposed Project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan? (HWQ-C5)

No. The review of the SWRCB's GeoTracker database indicated no active groundwater cleanup and abatement orders within the project site.

The proposed project construction would not require groundwater extraction from an aquifer or groundwater table. Additionally, the proposed Project would not substantially decrease groundwater resources nor interfere with groundwater recharge. Overall, the proposed project construction activities would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan, and the proposed Project would have no impact on groundwater supplies or interference with groundwater management.

Significance Level: No Impact. No mitigation would be required.

3.10.4.2.2 Operational Impacts

a. Would the proposed Project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality? (HWQ-O1)

No. The proposed Project would involve operation of a facility to convert sorted municipal solid waste (MSW) materials that are organic-rich from waste suppliers to low-carbon, renewable hydrogen. The renewable hydrogen produced by the facility is expected to be used in the production of conventional and renewable fuels and for direct use in hydrogen-fuel cell vehicles, particularly heavy-duty trucks and buses.

A warehouse-style control building houses the feedstock preparation unit. The indoor space encloses waste preparation activities to prevent waste dispersion by wind and provide barrier from vectors, birds, and other animal species in the area.

The feedstock will be composed of organic waste which will be delivered to the site. No hazardous waste will be accepted. The handling and storage of engineered municipal solid waste as feedstock has the potential to impact surface water quality, if managed poorly. However, proper management of these materials and implementation of best management practices) BMPs would mitigate potential impacts to surface water quality.

Waste generated by the proposed Project is expected to be contained in indoor facilities and other containment. Therefore, the impacts from the proposed Project's operation are not expected to substantially degrade surface or groundwater quality and would be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

b. Would the proposed Project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? (HWQ-O2)

No. As described in Chapter 2 Project Description, under normal operations the proposed Project could require up to 350 gallons per minute (gpm) that would be supplied from recycled or reclaimed water sources. Proposed Project operations would require an interconnection for water supply managed by CCWD. The proposed Project would not include the installation of any groundwater extraction wells for water supply purposes.

The proposed use of recycled or reclaimed water for project operations would not increase the burden on either surface water supplies and groundwater supplies within the Bay-Delta system and the Pittsburg Plain aquifer system, respectively. DDSO currently operates a recycled water system that provides up to 8,600 acre-feet per year (AF/yr), or approximately 5,332 gpm, of treated wastewater for irrigation and other non-potable uses (DDSD 2023b); an additional 350 gpm equates to about a 6.5 percent increase in water supply. In addition to the 350 gpm of reclaimed water anticipated to be supplied by CCWD for project operations, a nominal volume of potable water would be used for the proposed Project. In 2020, the City provided 9,232 AF/yr or approximately 5,720 gpm, of potable water to its customers. Potable water for the proposed Project would need to be provided by the City for domestic use, but the amount would be negligible and is not expected to impact potable water supplies in the area. Further analysis of operation water supplies is ongoing to ensure minimal impacts to groundwater supplies.

The proposed Project would alter surface conditions in the project area, which is currently composed of vacant land with some residual pieces of industrial equipment, a few railroad spurs, five buildings that account for less than one acre, and exterior and interior access roads that would be improved and maintained for the proposed Project. New structures would lead to less permeable surface conditions that may affect groundwater recharge. However, as previously noted, groundwater recharge in this area is primarily derived from streambed percolation and the New York Slough. Therefore, the proposed Project is not anticipated to have a significant effect on overall groundwater levels in the Pittsburg Plain basin.

Significance Level: No impact. No mitigation would be required.

c. Would the proposed Project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would (HWQ-O3):

i. result in substantial erosion or siltation on- or off-site? (HWQ-O3i)

No. Following completion of construction activities, the ground surface at the project site would be restored to existing conditions. Stormwater and surface runoff within the project site will be treated by the proposed wastewater treatment plant and managed under a state multi-sector general NPDES permit for industrial operations. Proposed Project operations would not substantially alter the existing drainage pattern or result in substantial erosion or siltation on- or off-site. Therefore, operational impacts are anticipated to be less than significant.

Significance Level: Less than significant. No mitigation would be required.

ii. substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site? (HWQ-O3ii)

No. Following completion of construction activities, the project site would be restored to existing conditions. Stormwater and surface runoff within the project site will be treated by the proposed wastewater treatment plant and managed under a NPDES permit with a discharge to the Bay Delta. Proposed project operations are not expected to result in an increase in surface water runoff that

would result in flooding on- or off-site. Therefore, operational impacts are anticipated to be less than significant.

Significance Level: Less than significant. No mitigation would be required.

- iii. create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff? (HWQ-O3iii)

No. Following completion of construction activities, the ground surface at the project site would be restored to existing conditions. Stormwater and surface runoff within the project site will be treated by the proposed wastewater treatment plant and managed under a NPDES permit and sent to Delta Diablo for further treatment with a final discharge to the Bay Delta. Proposed project operations are not expected to create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems. Therefore, operational impacts are anticipated to be less than significant.

Significance Level: Less than significant. No mitigation would be required.

- iv. impede or redirect flood flows? (HWQ-O3iv)

No. Following completion of construction activities, the project site would be restored to existing conditions. Stormwater and surface runoff within the project site will be treated by the proposed wastewater treatment plant and managed under a NPDES permit. Proposed project operations are not expected to alter existing drainage patterns that would impede or redirect flood flows. Therefore, operational impacts are anticipated to be less than significant.

Significance Level: Less than significant. No mitigation would be required.

d. Would the proposed Project, in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation? (HWQ-O4)

No. The operating portions of the project site are located within designated Zone X by the FEMA, which means that it is an area determined to be an area of minimal flood hazard (FEMA 2017). Project operations would not result in physical changes in these designated areas. Therefore, the proposed Project would not create or substantially increase risks from flooding or expose people or structures to significant risk of loss, injury or death involving flooding.

The northernmost operating portion of the project site, where modifications and/or construction is proposed, is designated by FEMA (Panel 124-P) as an area determined to have a 0.2 percent annual chance, or 500-year probability, flood hazard (FEMA 2015).

The central portion of the project site is designated as Zone X (area of minimal flood hazard). Proposed construction activities would not result in physical changes in these designated areas. Therefore, the proposed Project would not create or substantially increase risks from flooding or expose people or structures to significant risk of loss, injury or death involving flooding. Therefore, the risk release of pollutants due to inundation from sea level rise is less than significant.

A tsunami possibly affecting the Bay Area would originate in the Pacific Ocean before entering San Francisco Bay and likely dissipating through the wider and shallower water body. The ABAG Hazard Viewer Map indicates that the project site is not located in a tsunami evacuation hazard zone (ABAG 2020). A seiche is the oscillation of a body of water and occurs most frequently in enclosed basins (i.e., lakes, bays, etc.). The operational portion of the project site is not located in an inundation area.

Therefore, impacts of project operations are not expected to result in increased risk of pollutants due to inundation and would be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

e. Would the proposed project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. (HWQ-O5)

No. The Study Area within Contra Costa County (County) is within the limits of San Francisco Bay Basin managed by the SFB-RWQCB's Basin Plan (SFB-RWQCB, 2019). The Basin Plan is the master policy document that contains descriptions of the legal, technical, and programmatic bases of water quality regulation in the region. State policy for water quality control in California is directed toward achieving the highest water quality consistent with maximum benefit to the people of the state, and the beneficial uses identified in the Basin Plan for surface waters, groundwaters, marshes, and wetlands serve as a basis for establishing water quality objectives and discharge prohibitions to attain these goals.

The beneficial uses identified for Kirker Creek and the New York Slough include Warm Water Habitat, Wildlife Habitat, Commercial and Sport Fishing, Estuarine Habitat, Fish Migration, Preservation of Rare and Endangered Species, Contact and Non-Contact Recreation, and Navigation. Chapter 3 of the Basin Plan identifies the water quality objectives for surface waters and groundwater, including numerical water quality objectives for select toxic pollutants.

Based on the project description provided in Section 2.2 above, process wastewater would be treated on site within the proposed wastewater treatment plant and mixed with the blowdown stream to meet appropriate discharge limits before being sent to DDS's wastewater treatment plant (WWTP) via the Corteva main discharge line for disposal and would not be discharged to surface waters under a NPDES permit.

The review of the SWRCB's GeoTracker database indicated no active groundwater cleanup and abatement orders within the project site.

The proposed Project would not rely on groundwater wells requiring significant groundwater extraction from an aquifer or groundwater table. Additionally, the proposed Project would not substantially decrease groundwater resources nor interfere with groundwater recharge. Overall, proposed project operations activities would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan, and the proposed Project would have less than significant impact on groundwater supplies or interference with groundwater recharge. The proposed Project would not rely on groundwater wells requiring significant groundwater extraction from an aquifer or groundwater table. Additionally, the proposed Project would not

substantially decrease groundwater resources nor interfere with groundwater recharge. Overall, the proposed project operations would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan, and the proposed Project would have less than significant impact on groundwater supplies or interference with groundwater recharge.

Significance Level: Less than Significant; no mitigation required.

3.10.5 References

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3.11 LAND USE AND PLANNING

3.11.1 Introduction

This section of the EIR addresses the land use compatibility of the proposed H Cycle Pittsburg Renewable Hydrogen Project (Project) with existing and proposed plans for development surrounding the project site, and the potential impacts of the proposed Project on existing land use plans, policies, and regulations. The following subsections provide information on the regional setting and existing conditions of the proposed project site, regulatory context, including state laws and local land use policies, as well as impacts and mitigation measures followed by the reference section. For this evaluation, guidelines and key sources of data reviewed include the following:

- Aerial photography
- Project plans and renderings
- Surrounding land uses
- Pittsburg Municipal Code

Additionally, the San Francisco Bay Conservation and Development Commission (BCDC) establishes land use policies for the Bay as a resource and for development of the Bay and its shoreline in the Bay Plan, which provides the basis for the Commission's review and actions on proposed projects.

The land use analysis reviews the areas with the limits of the proposed project site and adjacent properties within approximately 1,000 feet. This area is also referred to as the land use study area.

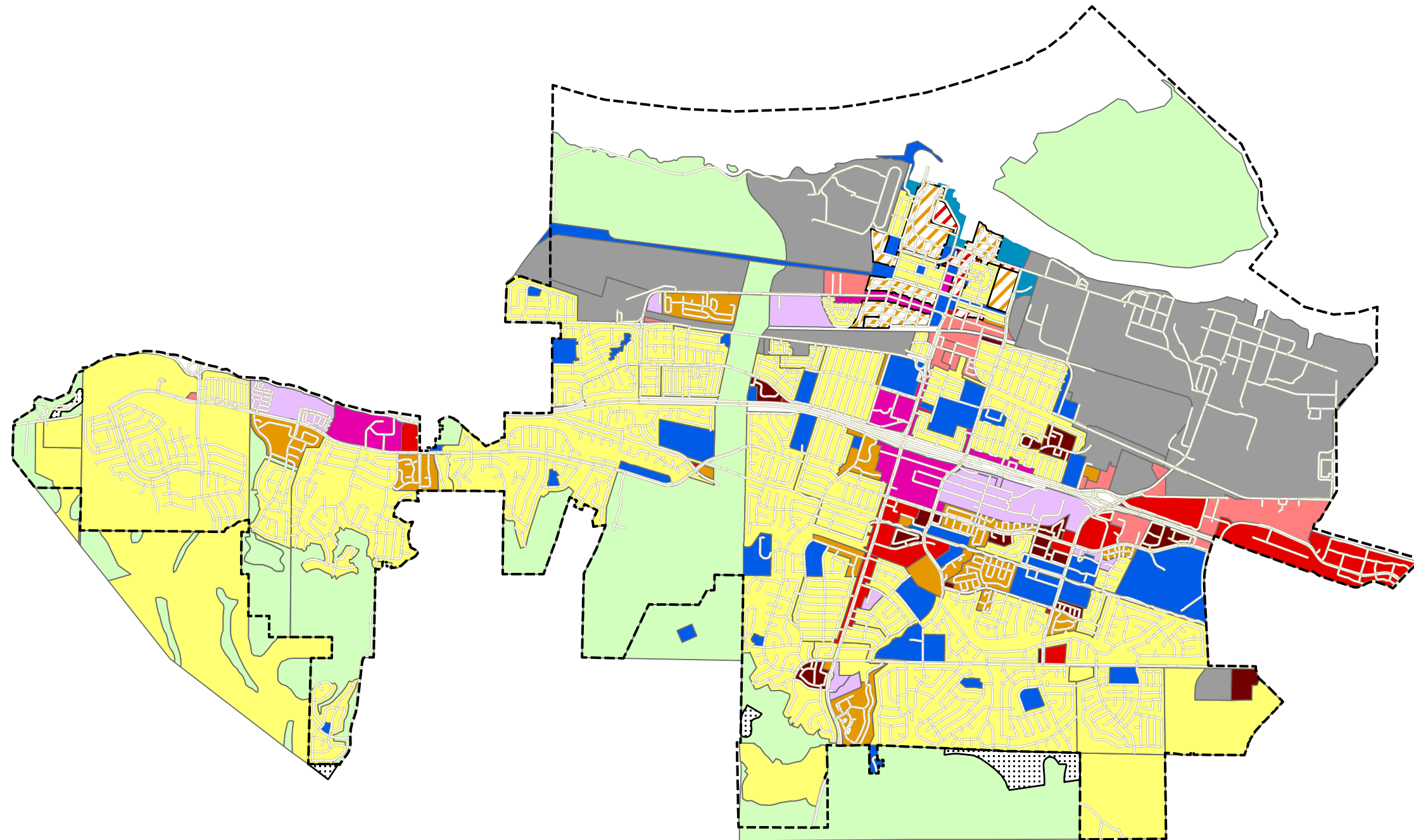
3.11.2 Environmental Setting

The proposed project site is on the eastern edge of the Northeast River Planning Subarea, as identified in the city of Pittsburg's (City's) General Plan. The Northeast River Planning Subarea is primarily characterized by large-scale heavy industrial operations, underutilized sites, and vacant land.

3.11.2.1 Existing Land Use

Land uses surrounding the proposed project site and surrounding area (Figure 3.11-1) include Corteva Agriscience's manufacturing facility as well as other industrial facilities (west), Calpine's Delta Energy Center and Delta Diablo wastewater treatment facility (south), and on the east side, adjacent to the proposed project site are Cameron process System and Generon. Immediately east of the project site is the Corteva Wetlands Preserve, a 471-acre of undeveloped land, featuring miles of trails, observation decks, benches, and habitat for plants, wildlife, and fish. Across New York Slough to the northwest of the project site is Browns Island, a regional shoreline preserve and refuge for aquatic birds.

Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet, Map Rotation: 0
 - Saved By: SRAY on 7/16/2024, 10:42:48 AM, File Path: V:\H-Cycle\506412_Pittsburg_Hydrogen\Project\A-APPX\Renewable Hydrogen Project EIR.aprx, Layout Name: Land Use Designations



- ROADS
- CITY LIMITS
- BUSINESS COMMERCIAL
- COMMUNITY COMMERCIAL
- DOWNTOWN HIGH-DENSITY RESIDENTIAL
- DOWNTOWN MEDIUM DENSITY RESIDENTIAL
- INDUSTRIAL
- GOVERNMENTAL AND QUASIPUBLIC
- HIGH-DENSITY RESIDENTIAL
- HILLSIDE PLANNED DISTRICT
- LOW DENSITY RESIDENTIAL
- MEDIUM-DENSITY RESIDENTIAL
- MIXED USE
- OPEN SPACE
- SERVICE COMMERCIAL
- WATERFRONT COMMERCIAL

DATA SOURCES: TRC, CITY OF PITTSBURG OPEN DATA PORTAL.



1:45,600
 1" = 3,800'
 0 1,900 3,800 FEET

PROJECT:		H CYCLE PITTSBURG RENEWABLE HYDROGEN PROJECT CONTRA COSTA COUNTY, CALIFORNIA	
TITLE: CITY OF PITTSBURG LAND USE DESIGNATIONS			
DRAWN BY:	S. RAY	PROJ. NO.:	506412.0000.0000
CHECKED BY:	R. SPRING	FIGURE 3.11-1	
APPROVED BY:	P. DEMICHELE		
DATE:	JANUARY 2024		
		1850 GATEWAY BLVD, SUITE 1075 CONCORD, CA 94520 PHONE: 925.688.1200	
FILE:		Renewable Hydrogen Project EIR.aprx	

The closest residence is an apartment complex located at 2727 Pittsburg-Antioch Highway, approximately 0.6 air mile south of the proposed project site. The nearest residences to the west are located at the intersection of Carpino Way and Carpino Avenue, approximately 0.8 air mile southwest of the proposed project site, and the nearest residence to the east is located at intersection of Aster Drive and Tulip Drive, approximately 1.2 air miles of the proposed project site.

3.11.2.2 Zoning

As shown on Figure 3.11-2 Pittsburg Zoning Map, the proposed project site is located within the City's General Industrial (IG) District. The purpose of the IG District is to provide sites for intense industrial uses, as well as on small parcels in the vicinity of heavy industrial uses. Areas are established for heavy industrial uses in order to protect them, to the extent feasible, from disruption and competition for space from unrelated retail and commercial uses that are more appropriately located elsewhere in the City. The proposed project site and surrounding area are proposed to remain zoned and designated for industrial land uses, consistent with the existing uses, as identified in *the Draft 2040 Pittsburg General Plan (2023)*.

Adjacent districts are zoned for Commercial Service (CS) to the south and Limited Industrial - Limited Overlay (IL-O) to the west. The IL-O zone to the west complies with the same land use regulations present in the base industrial zoning district where the proposed Project is located. The CS District to the south serves as a transitional site between commercial and industrial areas and allows for heavy maintenance activities.

3.11.3 Regulatory Context

3.11.3.1 Federal

No federal regulations governing land use would apply to the proposed project.

3.11.3.2 State

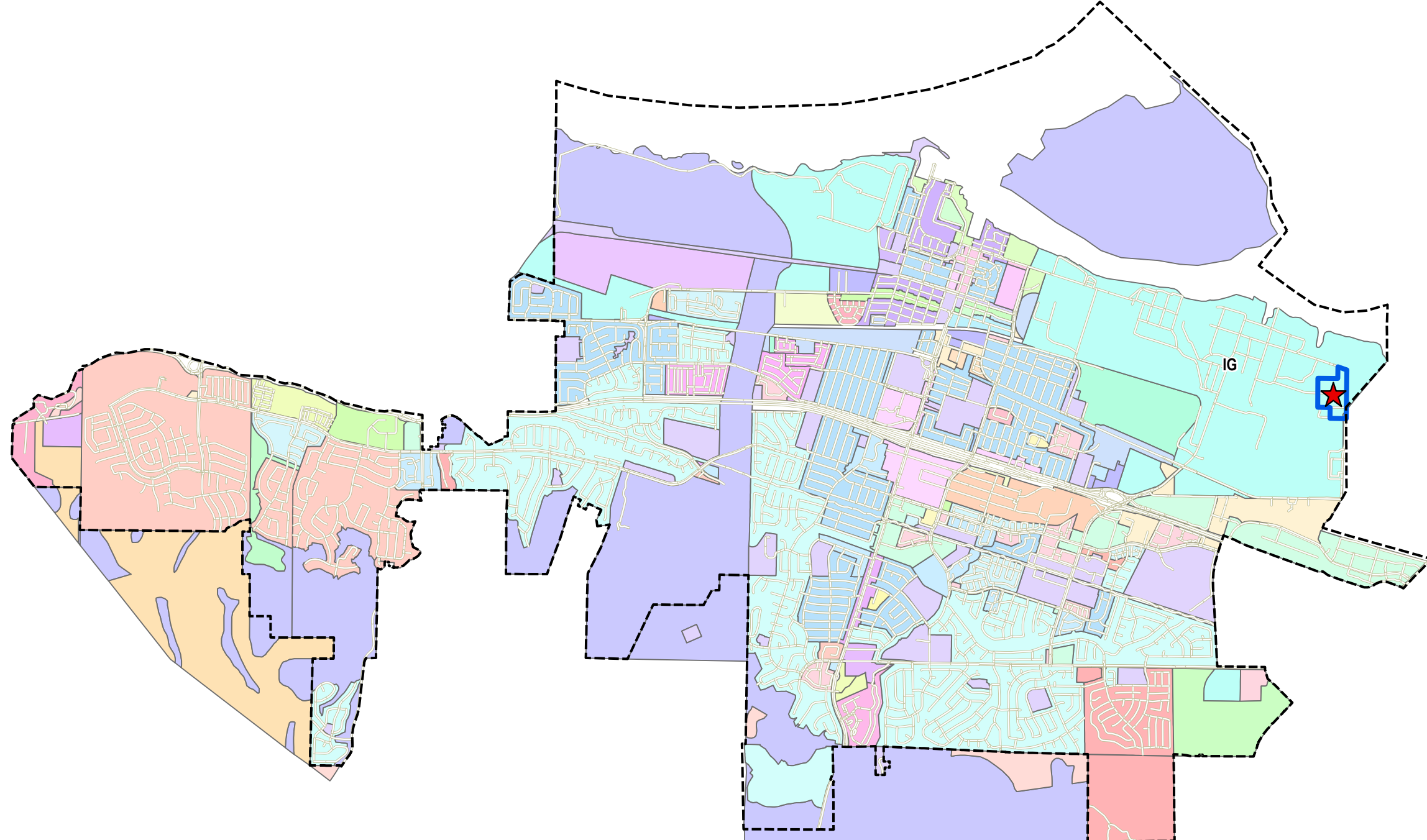
3.11.3.2.1 The California Government Code

Section 65300 of the California Government Code (CGC) requires that each city and county in the state prepare a comprehensive, long-term General Plan for the physical development of the county or city, and of any land outside its boundaries which in the planning agency's judgment bears relation to its planning. In accordance with Government Code Section 65302, the General Plan is a combination of development policies that set forth objectives, principles, and standards for how a community can achieve its long-term vision for itself. Each jurisdiction's General Plan must include a land use element that designates the proposed general distribution and general location and extent of the uses of the land for various uses including housing, business, industry, open space, agriculture, natural resources, recreation, public buildings, waste facilities and other public and private uses of land (Government Code Section 65302). Cities and counties are authorized under Government Code Section 65800 et seq. to implement their general plans through adoption of ordinances that

establish zoning districts, allowable land uses and standards for development of land within their boundaries.¹⁸

18 California Legislative Information website accessed November 20, 2023. <https://leginfo.legislature.ca.gov/>

- ★ PROJECT LOCATION
- ROADS
- CITY LIMITS
- CC, COMMUNITY COMMERCIAL
- CN, COMMUNITY COMMERCIAL
- CO, BUSINESS COMMERCIAL
- CO, MIXED USE
- CO-O, BUSINESS COMMERCIAL
- CP, COMMUNITY COMMERCIAL
- CP, DOWNTOWN HIGH-DENSITY RESIDENTIAL
- CS, SERVICE COMMERCIAL
- CS-D, SERVICE COMMERCIAL-DOWNTOWN OVERLAY
- CS-O, SERVICE COMMERCIAL-LIMITED OVERLAY
- CW, WATERFRONT COMMERCIAL
- GQ, GOVERNMENTAL AND QUASIPUBLIC
- HPD, HILLSIDE PLANNED DISTRICT
- HPD, MEDIUM-DENSITY RESIDENTIAL
- HPD, SINGLE FAMILY RESIDENTIAL (5,000 SF MIN. LOT SIZE)
- IG, GENERAL INDUSTRIAL
- IG-O, GENERAL INDUSTRIAL-LIMITED OVERLAY
- IL, LIMITED INDUSTRIAL
- IL-O, LIMITED INDUSTRIAL-LIMITED OVERLAY
- IP, BUSINESS COMMERCIAL
- IP-O, BUSINESS COMMERCIAL
- IP-O, SINGLE FAMILY RESIDENTIAL (5,000 SF MIN. LOT SIZE)
- M, MIXED USE
- OS, OPEN SPACE
- OS-O, OPEN SPACE DISTRICT-LIMITED OVERLAY
- PD, BUSINESS COMMERCIAL
- PD, DOWNTOWN MEDIUM-RESIDENTIAL - LIMITED OVERLAY
- PD, GOVERNMENTAL AND QUASIPUBLIC
- PD, HIGH-DENSITY RESIDENTIAL
- PD, MEDIUM-DENSITY RESIDENTIAL
- PD, MIXED USE
- PD, SERVICE COMMERCIAL
- PD, SINGLE FAMILY RESIDENTIAL (5,000 SF MIN. LOT SIZE)
- PD, SINGLE FAMILY RESIDENTIAL (6,000 SF MIN. LOT SIZE)
- RH, HIGH-DENSITY RESIDENTIAL
- RH-D, DOWNTOWN HIGH-DENSITY RESIDENTIAL
- RM, MEDIUM-DENSITY RESIDENTIAL
- RM-D, MEDIUM-DENSITY RESIDENTIAL - DOWNTOWN OVERLAY
- RM-O, MEDIUM-DENSITY RESIDENTIAL - LIMITED OVERLAY
- RMD-O, DOWNTOWN MEDIUM-RESIDENTIAL - LIMITED OVERLAY
- RS-10, SINGLE FAMILY RESIDENTIAL (10,000 SF MIN. LOT SIZE)
- RS-4, SINGLE FAMILY RESIDENTIAL (4,000 SF MIN. LOT SIZE)
- RS-5, SINGLE FAMILY RESIDENTIAL (5,000 SF MIN. LOT SIZE)
- RS-6, SINGLE FAMILY RESIDENTIAL (6,000 SF MIN. LOT SIZE)
- RS6-O, SINGLE FAMILY RESIDENTIAL (6,000 SF MIN. LOT SIZE) LIMITED OVERLAY
- PROJECT SITE BOUNDARY



DATA SOURCES: TRC, CITY OF PITTSBURG OPEN DATA PORTAL.



1:44,400
 1" = 3,700'
 0 1,850 3,700 FEET

PROJECT: H CYCLE PITTSBURG RENEWABLE HYDROGEN PROJECT CONTRA COSTA COUNTY, CALIFORNIA	
TITLE: CITY OF PITTSBURG ZONING CLASSIFICATIONS	
DRAWN BY: S. RAY	PROJ. NO.: 506412.0000.0000
CHECKED BY: R. SPRING	FIGURE 3.11-2
APPROVED BY: P. DEMICHELE	
DATE: JANUARY 2024	



1850 GATEWAY BLVD, SUITE 1075
 CONCORD, CA 94520
 PHONE: 925.688.1200

FILE: Renewable Hydrogen Project EIR.aprx

Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet, Map Rotation: 0
 - Saved By: SRAY on 7/16/2024, 10:42:48 AM, File Path: V:\H-Cycle\506412_Pittsburg_Hydrogen\Project\5-APPX\Renewable Hydrogen Project EIR.aprx, Layout Name: Zoning Map

In addition to the general plan land use element required by the CGC, the Pittsburg General Plan also contains elements regarding: Growth Management, Urban Design, Downtown, Economic Development, and Public Facilities (City of Pittsburg 2001). The City’s current General Plan was adopted in 2001 and has since been amended.¹⁹ There are no state regulations applicable to land use and planning for the proposed Project.

3.11.3.3 Regional

Land Use policies for development within 100 feet of the shoreline are regulated by the San Francisco Bay Area Conservation District.

3.11.3.3.1 Delta Reform Act

The Delta Reform Act of 2009 established two coequal goals: securing a reliable water supply for California and protecting, restoring, and enhancing the Sacramento-San Joaquin Delta ecosystem and the fish, wildlife, and recreation it supports. The Delta Reform Act recognized the Delta as an “evolving” environment and outlined a state policy of reduced reliance on Delta water exports, opting for a strategy of improved conservation, the development and enhancement of regional supplies, and water use efficiency. The Delta Reform Act established an independent state agency – the Delta Stewardship Council – to develop and implement a plan that facilitates the declared coequal goals. The act also established the Delta Independent Science Board and authorized it to research, monitor, and assess programs pursued under the Delta Plan, advising the Council of its findings.

3.11.3.4 Local

3.11.3.4.1 City of Pittsburg General Plan

The City’s General Plan *Pittsburg 2020: Vision for the 21 Century*, adopted in 2001, established the following goals and policies for the Northeast River subarea.

Goals: Northeast River

- 2-G-12 Maintain the industrial use and character of the area.
- 2-G-13 Protect sensitive marshland habitats along the New York Slough waterfront.

Policies: Northeast River

- 2-P-37 Ensure that development in Northeast River is limited to industrial activities and supporting business and service uses.
- 2-P-38 During project review, ensure that all industrial development along public streets and in areas adjacent to Downtown maintain at least a 25-foot-wide landscaped buffer (using trees and shrubs for screening) along the street.
- 2-P-39 Encourage the development of “clean” industries along the New York Slough waterfront. Support the modernization of all industrial uses in the area to reduce both air and water pollutant levels.

¹⁹ City of Pittsburg General Plan 2020: *A Vision for the 21st Century*. January 2001. Website accessed December 7, 2023. <https://www.pittsburgca.gov/services/community-development/planning/general-plan-current>

2-P-41	Support the reclamation and reuse of contaminated industrial sites within the Northeast River subarea.
2-P-43	Ensure that all proposed projects in the Northeast River area complete an assessment of biological resources, including wetlands, before site layout and design is completed.
2-P-44	Ensure—through a combination of on- and off-site mitigation—that new development results in no net loss of wetlands. Dowest Slough is an excellent example of wetlands restoration adjacent to industrial properties.
2-P-45	Pursue opportunities for a multi-use trail along the waterfront as industrial properties are redeveloped and remediated.
2-P-46	Support the permanent preservation of the wetlands and salt marsh habitats along New York and Dowest Sloughs, including Browns Island Regional Shoreline.

The proposed Project is consistent with the goals and policies presented above and is compatible with present zoning regulations. The proposed scope of work would not introduce a unique use not covered by pre-existing land use regulations. Per the zoning requirements outlined in the City's Municipal Plan, major utility uses in IG Districts such as those included in this project would require the approval of a use permit (City of Pittsburg 2020b).

3.11.3.4.2 City of Pittsburg Municipal Code

Title 18 of the Pittsburg Municipal Code is the City's Zoning Ordinance. The Zoning Ordinance carries out the policies of the General Plan by classifying and regulating the uses of land and structures within the City, consistent with the General Plan. The purpose of the Zoning Ordinance is to protect and promote public health, safety, and general welfare, and to implement the policies of the City's General Plan. More specifically, the Zoning Ordinance is intended to:

- a. Provide a precise guide for the physical development of the City in order to:
 - i. Preserve the character and quality of residential neighborhoods,
 - ii. Foster convenient, harmonious and workable relationships among land uses, and
 - iii. Achieve the arrangement of land uses described in the general plan;
- b. Promote economic stability of existing land uses that are consistent with the General Plan and protect them from intrusions by inharmonious or harmful land uses;
- c. Prevent excessive population densities and overcrowding of land or buildings;
- d. Ensure the provision of adequate open space for light, air and fire safety;
- e. Permit the development of office, commercial, industrial, and related land uses that are consistent with the General Plan, in order to strengthen the City's economic base;
- f. Conserve and enhance the City's architectural and cultural resources;
- g. Conserve and enhance key visual features of Pittsburg's setting, including the riverfront and major ridgelines, consistent with the general plan;

- h. Require adequate off-street parking and loading facilities, and promote a safe, effective traffic circulation system;
- i. Ensure that service demands of new development will not exceed the capacities of streets, water and utilities, and other public services;
- j. Encourage a built environment of the highest design and architectural quality.

Division III of the Zoning Ordinance outlines the base district regulations, Division IV outlines the overlay district regulations, and Division V outlines the general land use regulations.

The proposed Project is located on land zoned IG (General Industrial) District; the proposed uses are permitted within the IG District, subject to an approved use permit. In accordance with the Pittsburgh Municipal Code (PMC) Section 18.16.040, a use permit may be granted only if the City Planning Commission can make findings that the proposed Project:

- is in accord with the objective of PMC Title 18 (Zoning), the purposes of the land use district in which it is located and is appropriate to the specific location.
- is not detrimental to the health, safety, and general welfare of the City.
- will not adversely affect the orderly development of property within the City.
- will not adversely affect the preservation of property values and the protection of the tax base and other substantial revenue sources within the City.
- is consistent with the objectives, policies, general land uses and programs identified in the General Plan and any applicable specific plan.
- will not create a nuisance or enforcement problem within the neighborhood.
- will not encourage marginal development within the neighborhood.
- will not create a demand for public services within the City beyond that of the ability of the City to meet in the light of taxation and spending constraints imposed by law; and
- is consistent with the City's approved funding priorities.

Additionally, the proposed Project requires a design review by the City under Section 18.36.200 of the PMC, "Design Review in Land Use Districts Other than Single-Family Residential." The Planning Commission may grant design review approval for a project only after the Commission makes a determination that the proposed project is consistent with PMC section 18.36.220 (B), summarized below:

- the structure conforms with good taste, good design and in general contributes to the character and image of the City as a place of beauty, spaciousness, balance, taste, fitness, broad vistas, and high quality.

- the structure would be protected against exterior and interior noise, vibrations and other factors that may tend to make the environment less desirable.
- the exterior design and appearance of the structure is not of inferior quality as to cause the nature of the neighborhood to materially depreciate in appearance and value.
- the structure is in harmony with proposed developments on land in the general area.
- the application conforms with the criteria set forth in any applicable City-adopted design guidelines.

The IG District development standards establish a maximum building height of 50 feet²⁰ An increase over the maximum height allowance is permitted in the IG District equal to the number of additional feet the proposed structure is set back from each property line beyond the minimum yard requirements up to a maximum of 75 feet.²¹ In addition, a tower, spire, cupola, chimney, elevator penthouse, water tank, flagpole, monument, theater scenery, radio and television antenna²², transmission tower, light standard, fire tower, and similar structure and necessary mechanical appurtenances covering not more than ten percent of the ground area covered by the structure to which it is accessory may exceed the maximum permitted height in an Industrial District in which the site is located by a maximum of 20 feet.²³ This would allow for structures within the project site not exceeding ten percent of the of the total ground area a maximum height of 95 feet.

3.11.3.4.3 Conditional Use Permit

The proposed Project most closely aligns with the industrial use type classification of “Manufacturing, Heavy” as defined in PMC Section 18.08.100(C)(1). Pursuant to the land use regulations for industrial districts in PMC Section 18.54.010, this use type classification requires approval of a use permit.

The PMC also ensures that the use, handling, storage and transport of hazardous materials and substances comply with the requirements of the California Health and Safety Code and that the City is notified of emergency response plans, unauthorized releases of hazardous materials and hazardous substances, and any substantial changes in facilities or operations that could affect the public health, safety or welfare.²⁴

A use permit is required for a new industrial use that will have an engineered design capacity to manage more than 12,500 tons per year of hazardous material. A new industrial use may require a use permit under other provisions of this title regardless of capacity.²⁵

²⁰ PMC § 18.54.115

²¹ PMC § 18.54.120

²² Except as provided in PMC § 18.84.030

²³ PMC § 18.80.020

²⁴ PMC Section 18.84.270

²⁵ PMC Section 18.84.280(B)

3.11.4 Impact Analysis

Information presented in this section is based on field reconnaissance, review of aerial photographs, and review of relevant planning documents. The assessment of potential impacts was made based on Chapter 2.0, Project Description and Appendix G of the CEQA Guidelines.

3.11.4.1 Significance Criteria

Criteria for determining the significance of impacts related to land use and planning are based on the environmental checklist form in Appendix G of the State CEQA Guidelines, § 15000 et seq. An impact would be considered significant if the proposed Project would:

- a. Physically divide an established community; or
- b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect.

3.11.5 Impacts and Mitigation Measures

Impact Determination

- a. **Would the proposed Project physically divide an established community? (LU-1)**

No. As described in Section 3.12.2 Existing Conditions, the proposed project site is currently developed with five buildings. Permanent usage of the proposed renewable hydrogen facility would be approximately 12 acres of the 24-acre Study Area. The Study Area is currently graded and covered with an array of graveled ground, disturbed dirt, and concrete slabs that are primarily used for parking and storage.

The land use surrounding the project site is primarily industrial. The project site and industrial facilities are all zoned for General Industrial (IG) use in the City. Several transportation facilities are also in the surrounding area, as well as the New York Slough which is located north of the project site. The nearest residences are south of State Route 4 approximately 0.9 mile southwest of the project site; therefore, none of the existing residential neighborhoods, which are 0.9 mile or further away from the boundaries of the proposed project site, would be divided as a result of project construction.

The potential for the proposed Project to divide an established community would not change following completion of construction. Because no changes outside the footprint of the existing Study Site would occur. The site is surrounded by industrial uses to the east, industrial uses and vacant land to the south and west, and vacant land and the New York Slough to the north. The nearest residences are approximately 0.6 mile south of the project site. The proposed Project would not reduce any distances to existing established communities nor result in the presence of new barriers within those communities; therefore, none of the existing residential neighborhoods, which are 0.6 mile or further away from the boundaries of the proposed project site, would be divided as a result

of project construction and operations. As a result, development of the proposed project site would not physically divide an established community.

Significance Level: Less than significant. No mitigation is required.

- b. **Would the proposed Project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? (LU-2)**

No. The proposed project site is located in an area zoned for General Industrial (IG) use. The requirements of the zone, including a Conditional Use Permit for the proposed Project, are intended to provide safeguards and to establish adequate buffer distances between uses that pose potentially adverse public health, safety, and welfare impacts and land uses in adjacent more restrictive zone districts. The proposed renewable hydrogen facility has been determined to require a Conditional Use Permit approved by the City Planning Commission. With the Conditional Use Permit, the proposed use would not conflict with any land use plan, policy, or regulation.²⁶ The Applicant would comply with the conditions outlined in the use permit.

Pittsburg's land use polices for this area encourages the continued presence of all types of industry throughout the planning area. The proposed use of the sites would increase their productive use and would generate increased property taxes, employment, and general business activity consistent with goals of the City's Capital Improvements Program (CIP) and the Contra Costa Northern Waterfront Development Initiative. The proposed Project is consistent with the goals presented above and is compatible with present zoning and General Plan regulations. The proposed scope of work would not introduce a unique use not covered by pre-existing land use regulations. Per the zoning requirements outlined in the City's Municipal Plan, major utility uses in IG Districts such as those included in this project would require the approval of a use permit described above. Considering these factors, the proposed use would be consistent with the City's land use plans and policies. The proposed Project would be considered a beneficial reuse of an underutilized site that supports the City's Climate Action Plan and Sustainability Plan goals to reduce transportation emissions and divert regional waste away from landfills. In addition, new property tax revenue, employment opportunities and alignment with local and regional environmental policies and plans would result in a beneficial impact on the environment under this significance criterion,

Significance Level: Beneficial Impact. No mitigation is required.

3.11.6 References

City of Pittsburg. 2001. "Land Use." General Plan Pittsburg 2020: A Vision for the 21st Century, City of Pittsburg, 2020. Available at:
<https://www.pittsburgca.gov/home/showpublisheddocument/4674/637479142624630000>
Accessed online: November 10, 2023.

²⁶ PMC Section 18.84.280

City of Pittsburg, 2023a. Geographic Information System. Available at:
<https://www.pittsburgca.gov/services/public-works/gis>. Accessed online: November 10, 2023.

City of Pittsburg, 2023b Five Year Capital Improvement Program. City of Pittsburg, 2023.
Available at:
<https://www.pittsburgca.gov/home/showpublisheddocument/15375/638283103570170000>.
Accessed Online: November 20, 2023.

3.12 NOISE AND VIBRATION

This section describes the existing noise environment of the project site and identifies potential noise receptors that could be potentially impacted by the development of the proposed Project. Applicable regulations of the local community are also discussed, along with a brief description of the generation and characteristics of sound and how sound is measured.

Key sources of data used in the analysis in this chapter include the Noise Study Report (TRC 2023; Appendix I of this EIR) and figures presented in the Project Description (Section 2), including:

- Figure 2-2: Proposed project site Map

3.12.1 Noise Concepts and Terminology

3.12.1.1 Terminology

This noise analysis relies on the following standard noise-related terms and principles.

- **Environmental noise:** Environmental noise is defined as unwanted sound resulting from vibrations in the air. Excessive noise can cause annoyance and adverse health effects. Annoyance can include sleep disturbance and speech interference. It can also distract attention and make activities more difficult to perform (EPA 1978).
- The range of pressures that create noise is broad. Noise is, therefore, measured on a logarithmic scale, expressed in **decibels (dB)**. Noise is typically measured on the **A-weighted scale (dBA)**, which has been shown to provide a good correlation with human response to sound and is the most widely used descriptor for community noise assessments (Harris 1998).
- To describe the time-varying character of environmental noise, various statistical noise descriptors are typically used.
 - **L_{max} :** L_{max} is the maximum noise level generated by a source at a specified distance.
 - **L_{eq} :** L_{eq} is the equivalent noise level over a specified period of time (i.e., 1 hour). It is a single value of sound that includes all of the varying sound energy in a given duration.
 - **L_{90} , L_{50} and L_{10} :** These are the A-weighted sound levels that are exceeded at the specified percentage of time. For example, L_{90} is the sound level exceeded 90 percent of the time and is often considered the background, or residual, noise level. Similarly, L_{10} is the sound level exceeded 10 percent of the time and is commonly used as a measurement of intrusive sounds such as aircraft overflight.
 - **L_{dn} :** L_{dn} , or day-night noise level, is the A-weighted sound level over a 24-hour period with an additional 10 dB penalty imposed on sounds that occur between 10:00 p.m. and 7:00 a.m.

- **CNEL:** Community Noise Equivalent Level (CNEL) is similar to L_{dn} and is the A-weighted sound level over a 24-hour period with an additional 10-dB penalty imposed on sounds that occur between 10:00 p.m. and 7:00 a.m., and a 5-dB penalty imposed on sounds that occur in the evening between 7:00 p.m. and 10:00 p.m. CNEL was developed in California for evaluating noise levels in residential communities. CNEL will always be higher than L_{dn} for the same location; therefore, it is appropriate and conservative to use CNEL when L_{dn} is not available or when comparing calculated noise to an L_{dn} threshold.

3.12.1.2 General Noise Concepts

Sound travels through the air as pressure waves caused by some type of vibration. In general, sound waves travel away from a noise source at ground level in a hemispherical pattern. The energy contained in a sound wave is spread over an increasing area as it travels away from the noise source. Typical A-weighted noise levels for various sound sources are summarized in Table 3.12-1, below.

The nature of dB scales is such that individual dB ratings for different noise sources cannot be added directly to give the sound level for the combined noise from all sources. Instead, the combined noise level produced by multiple noise sources is calculated using logarithmic summation. For example, if one source produces a noise level of 80 dBA, then two of the identical sources side by side would generate a combined noise level of 83 dBA, or an increase of only 3 dBA.

People generally perceive a 10-dBA increase in a noise source as a doubling of loudness. Also, most people cannot detect differences of less than 2 dBA between noise levels of a similar nature, while most could probably perceive a change of approximately 5 dBA. When a new intruding sound is of a different nature than the background sound, such as a horn sounding in heavy vehicle traffic, most people can detect changes as low as 1 dBA. When distance is the only factor considered, sound levels from isolated point sources of noise are reduced by approximately 6 dBA for every doubling of distance. The following formula can also be used to determine noise reduction at any distance from an isolated point source:

$$L_2 = L_1 - (20 \times \log_{10}(r_2/r_1))$$

Where: L_1 is the noise level at reference distance (r_1)

L_2 is the noise level at receptor distance (r_2)

When the noise source is on a continuous line, such as vehicle traffic on a highway, sound levels decrease by approximately 3 dBA for every doubling of distance.

Noise levels can also be affected by several factors other than distance. Topographic features and structural barriers absorb, reflect and scatter sound waves and affect the reduction of noise levels. Atmospheric conditions (wind speed and direction, humidity and temperature) and the presence of dense vegetation can also affect the degree to which sound waves attenuate over distance.

Table 3.12-1: Typical A-Weighted Sound Levels

Sound Source	Sound Level (dBA)	Typical Human Response
Carrier deck jet operation	140	Painfully loud
Limit of amplified speech	130	
Jet takeoff (200 feet) Auto horn (3 feet)	120	Threshold of feeling and pain
Jet takeoff (2,000 feet) Riveting machine	110	Very annoying
Shout (0.5 foot) New York subway station	100	
Heavy truck (50 feet) Pneumatic drill (50 feet)	90	Hearing damage (8-hour exposure)
Passenger train (100 feet) Helicopter (in flight, 500 feet) Freight train (50 feet)	80	Annoying
Freeway traffic (50 feet)	70	Intrusive
Air conditioning unit (20 feet) Light auto traffic (50 feet)	60	
Normal speech (15 feet)	50	Quiet
Living room Bedroom Library	40	
Soft whisper	30	Very quiet
Broadcasting studio	20	
	10	Just audible
	0	Threshold of hearing

Source: Compiled by TRC

3.12.2 Environmental Setting

3.12.2.1 Regulatory and Policy Context

3.12.2.1.1 Federal

There are no federal laws, ordinances or regulations that directly affect the proposed Project with respect to noise or vibration. However, there are some federal standards that can be utilized for consideration of a broad range of noise and vibration issues, as listed below.

The United States Department of Housing and Urban Development Noise Regulations (Title 24, Code of Federal Regulations, Part 51, Subpart B) identify sound levels that are compatible with residential land use. Sound levels not exceeding a 65-dBA L_{dn} are considered acceptable. Sound levels between 65-dBA L_{dn} and 75-dBA L_{dn} are normally unacceptable, unless noise-reduction measures are included to limit noise levels within residences to a 45-dBA L_{dn} or below. Sound levels exceeding a 75-dBA L_{dn} are unacceptable.

The United States Environmental Protection Agency (EPA) has not promulgated standards or regulations for environmental noise. However, it has published a guideline that specifically addresses issues of community noise. This guideline, commonly referred to as the “EPA Levels Document” (EPA 1974), contains goals for noise levels affecting residential land use including an L_{dn} equal to or less than 55 dBA for outdoors and an L_{dn} equal to or less than 45 dBA for indoors. The agency is careful to stress that the recommendations contain a factor of safety and do not consider technical or economic feasibility issues and, therefore, should not be construed as standards or regulations.

The Federal Transit Administration (FTA) has not promulgated standards or regulations for environmental noise by construction. However, it has published a guideline that specifically addresses issues of community noise. This guideline recommends that hourly sound levels of 90 dBA at residential uses from construction noise, including pile driving, would be considered a significant impact (FTA 2006). The FTA guidelines also address vibration impacts.

3.12.2.1.2 State

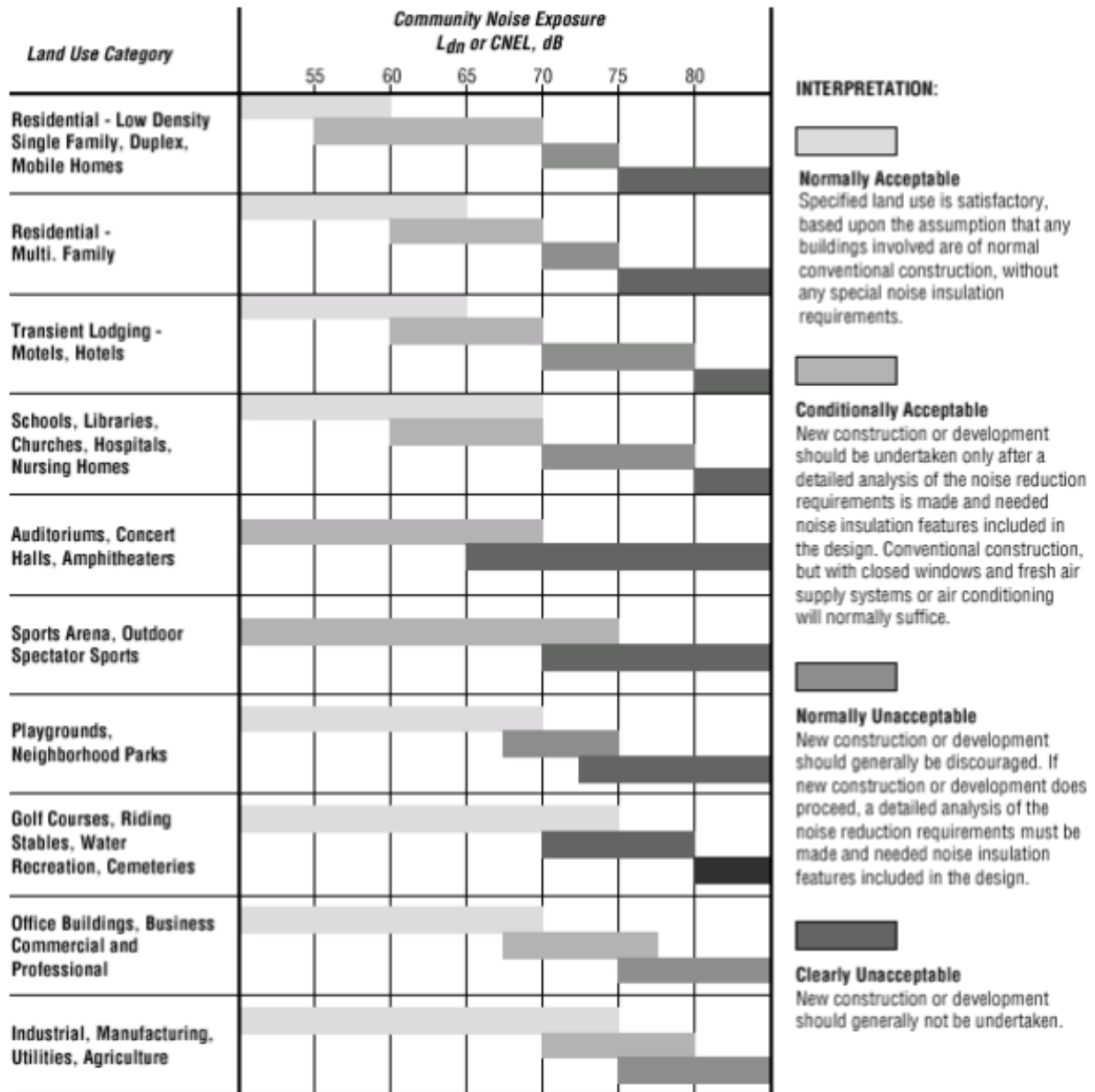
The following potentially relevant State noise regulations have been identified:

- California Department of Industrial Relations, California Occupational Safety and Health Administration (Title 8, California Code of Regulations, Sections 5095-5098) requires that all facility noise levels be limited to 85 dBA to protect worker safety. If workers frequent areas of the facility that exceed 85 dBA, then all aspects of a hearing conservation program must be implemented by the employer.
- California Government Code (Section 65302(f)) requires local jurisdictions to prepare general plans that include land use and noise elements.

3.12.2.1.3 Contra Costa County

Section 11 (Noise Element) of the Contra Costa County General Plan 2005-2020 establishes, in Policy 11-1, the acceptability of proposed new land uses within existing noise-impacted areas in accordance with the State of California General Plan Guidelines shown in Table 3.12-2, below. This table can also be used to determine if receptors within a current land use area would be significantly impacted by a proposed new land use in the vicinity. The maximum exterior noise level considered to be “normally acceptable” for single-family residential uses is 60-dBA L_{dn} , and noise levels of up to 70-dBA L_{dn} are considered to be “conditionally acceptable.” The maximum exterior noise level considered to be “normally acceptable,” without condition, for industrial uses is 70-dBA L_{dn} . This policy does not apply to temporary noise levels, such as from construction.

Table 3.12-2: Noise Level/Land Use Compatibility



Source: State of California Governor’s Office of Planning and Research 2017.

Contra Costa County General Plan Noise Element Policy 11-8 states that construction activities shall be concentrated during the hours of the day that are not noise-sensitive for adjacent land uses and should be commissioned to occur during normal work hours of the day to provide relative quiet during the more sensitive evening and early morning periods.

3.12.2.1.4 City of Pittsburg

The following are the Policies of the city of Pittsburg (City) General Plan (City of Pittsburg, 2001) are relevant to the proposed Project:

- Policy 12-P-9 establishes that generation of loud noises on construction sites adjacent to existing development should be limited to normal business hours between 8 a.m. and 5 p.m.
- Policy 12-P-10 establishes that the impact of truck traffic noise on residential areas should be reduced by limiting such traffic to appropriate truck routes, and that consideration is given to restrict truck travel times in sensitive areas.

The City's General Plan Noise Element also generally describes a range of changes in ambient (existing) noise levels and how these changes would be perceived by the community, such as a residential receptor, in terms of significance of impact:

- Except under special conditions, a change in sound level of 1 dB cannot be perceived;
- A 3 dB change is considered a "just noticeable" difference;
- A 5 dB change is required before any noticeable change in community response would be expected. A 5 dB change is often considered a "significant impact"; and
- A 10 dB change is subjectively heard as an approximate doubling in loudness and almost always causes an adverse community response.

The City's Municipal Code (City of Pittsburg, 2007) Noise Ordinance (Section 9.44.010) does not establish numerical noise-level limits related to construction noise but makes it unlawful for any person to make, continue or cause to be made, or continue any noise which either unreasonably annoys, disturbs, injures, or endangers the comfort, repose, health, peace, or safety of others, within the limits of the City. Unreasonable noise sources listed in the ordinance, and potentially relevant to the proposed Project, include unmuffled vehicle exhaust (9.44.010.H) and pile drivers, hammers, and similar equipment (9.44.010.J).

The City's Municipal Code (City of Pittsburg, 2007) Building and Construction Ordinance (Section 15.88.060.A.5) prohibits grading noise, including warming up equipment motors, within 1,000 feet of a residence between the hours of 5:30 p.m. and 7 a.m. weekdays, unless otherwise approved by the City Engineer.

3.12.3 Existing Conditions

The proposed Project area is in an existing industrial land use area far removed from any noise sensitive areas (NSAs) such as residences, schools, or hospitals. The nearest residences are located approximately 4,800 feet southwest and 5,000 feet southeast of the proposed project area. The nearest church and hotel are located 5,000 feet southeast and 7,500 feet southwest of the proposed project area, respectively. (TRC 2023)

The proposed project area is bounded by a railroad to the south, vacant land to the east, and existing industrial facilities to the north and west. Marshland and the San Joaquin River are located further to the north. The facility will include a variety of sound-producing equipment, including pumps, dryers, compressors, cooling fans, generators, and a ground flare system. During construction, an additional 12 acres will be used as construction laydown yards. (TRC 2023)

3.12.4 Impact Analysis

3.12.4.1 Methodology for Impact Analysis

Environmental impacts are discussed in this section relative to the receptors nearest to the project site.

3.12.4.2 Significance Criteria

For the purposes of this analysis, the proposed Project was considered to have a significant noise impact requiring mitigation if:

- a. The proposed Project would result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the proposed Project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies;
- b. it would result in generation of excessive groundborne vibration or groundborne noise levels; or
- c. the project site is located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, and it would expose people residing or working in the proposed project area to excessive noise levels.

3.12.5 Impacts and Mitigation Measures

Impact Determination

Construction-Related Impacts

- a. Would the proposed Project generate a substantial temporary increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? (NOI-C1)

No. Based on the Noise Study Report (TRC 2023; Appendix I), proposed construction activities for the proposed Project could result in a temporary noise level increase of 2.3 to 9.2 dBA at the nearest sensitive receptors.

Construction will generally occur during daylight hours, which will significantly reduce noise impacts to development in the proposed project vicinity and the nearest sensitive receptors. Additionally, all construction equipment will be required to utilize sound control devices no less effective than those provided by the manufacturer and maintain equipment in accordance with manufacturer's recommendations. No equipment will have unmuffled exhausts and equipment idling will be kept to a minimum.

Compliance with the Local General Plan Policies and Noise Ordinances for construction will result in temporary increases in ambient noise levels in the vicinity of the proposed project area would be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

b. Would the proposed Project generate excessive temporary groundborne vibration or groundborne noise levels? (NOI-C2)

No. Construction activities, such as demolition, soil compaction, excavation, grading, drilling, and passing heavy trucks on uneven surfaces, could produce temporary groundborne vibration in the immediate vicinity of the proposed Project. Construction of the proposed Project will utilize the following construction equipment that could generate vibration: haul trucks, water trucks, graders, tracked equipment (e.g., bulldozers), loaders, excavators, and pile drivers. Below-grade activities, such as trenching, backfill and pile driving would be anticipated to generate more groundborne vibration. Above-grade construction would create less groundborne vibration for a shorter duration.

In general, manmade groundborne vibrations, such as those from construction equipment, attenuate rapidly with distance and impacts are therefore confined to short distances from the source (Caltrans 2020). There are no historic or fragile structures, nor vibration-sensitive activities and equipment (e.g., research or medical laboratories), in the proposed project vicinity and construction-related vibrations are not estimated to be noticeable at the nearest sensitive receptors, which are nearly 1 mile from the proposed Project.

Due to the temporary nature of the groundborne vibration generated by construction equipment proposed for the proposed Project, the lack of historic structures and vibration-sensitive equipment in the proposed project vicinity, and the relative distance from the areas of construction within the project site to sensitive receptors, the potential for construction of the proposed Project to generate temporary groundborne vibration and noise that could cause human annoyance or structural damage would be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

Operational Impacts

a. Would the proposed project generate a substantial permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? (NOI-O1)

No. Based on the Noise Study Report (TRC 2023; Appendix I), any permanent increase in ambient noise levels resulting from operation of the proposed Project will be imperceptible (less than 0.1 dBA increase) to the nearest sensitive receptors.

Permanent ambient noise level increases in the vicinity of the proposed Project (i.e., at the property line) resulting from operation of the proposed Project will vary from 0.2 to 5.6 dBA when the gas flare is inactive, and from 1.4 to 17.1 dBA when the gas flare is active. However, the maximum resulting ambient noise level in the vicinity of the project will be 65.0 dBA, which is in the “Normally Acceptable” range for Industrial land use areas established in the Contra Costa County General Plan.

Since the proposed Project would not generate a substantial permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan, the impact would be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

b. Would the proposed project generate excessive permanent groundborne vibration or groundborne noise levels? (NOI-O2)

No. Operation of the proposed Project would not be anticipated to generate substantial groundborne vibration or groundborne noise levels. Operation of compressors, transformers, and dryers at the proposed Project could produce minor groundborne vibration. Proposed Project components that would potentially generate higher levels of groundborne vibration, such as the shredder and tipping floor, are enclosed in buildings.

In general, manmade groundborne vibrations, such as those from proposed project operations, attenuate rapidly with distance and impacts are therefore confined to short distances from the source (Caltrans 2020). There are no historic or fragile structures, nor vibration-sensitive activities and equipment (e.g., research or medical laboratories), in the proposed project vicinity and operation-related vibrations are not estimated to be noticeable at the nearest sensitive receptors, which are nearly 1 mile from the proposed Project.

Due to the proposed project equipment and activities having the potential to create only minor groundborne vibration, the lack of historic structures and vibration-sensitive equipment in the proposed project vicinity, and the relative distance from the operating areas within the project site to sensitive receptors, the potential for project operations to generate permanent groundborne vibration and noise that could cause human annoyance or structural damage would be less than significant.

Significance Level: Less than Significant. No mitigation would be required.

Construction and Operational Impacts

c. Is the proposed project site located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, exposing people residing or working in the project area to excessive noise levels? (NOI-3)

No. Since there are no airports or private airstrips in the vicinity of the proposed project site, and the nearest airport is in Concord more than 11 miles to the west, there would be no exposure of people working within the proposed project area to excessive airplane noise and; therefore, no impact.

Significance Level: No Impact. No mitigation would be required.

3.12.6 References

- California Department of Transportation (Caltrans). 2020. Transportation and Construction Vibration Guidance Manual (CT-HWANP-RT-20-365.01.01). April.
- California Governor’s Office of Planning and Research. 2017. General Plan Guidelines, Appendix D: Noise Element Guidelines.
- City of Pittsburg. 2001. *City of Pittsburg General Plan 2020: A Vision for the 21st Century*. “Noise Element” (Section 12). January.
- City of Pittsburg. 2007. Municipal Code.
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- Harris, C. M. 1998. Handbook of Acoustical Measurements and Noise Control, 3rd Edition, Acoustical Society of America.
- TRC. 2023. Noise Study Report, H Cycle Pittsburg Renewable Hydrogen Project, Pittsburg, CA. November.
- United States Environmental Protection Agency (EPA). 1974. Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety. No. 550/9-74-004.
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3.13 POPULATION AND HOUSING

3.13.1 Introduction

This section examines how different factors related to the construction and operations of the proposed H Cycle Pittsburg Renewable Hydrogen Project (Project) may potentially affect population and housing in the city of Pittsburg (City), Contra Costa County (County), and the San Francisco Bay Area. The environmental setting section was prepared using information developed from the US Census Bureau, Pittsburg Housing Authority, the Pittsburg General Plan 2020 (2015-2023 Housing Element), the 2023 Public Review Draft of the City of Pittsburg Housing Plan Background Report, the Bay Area Plan 2050, and employment data from state agencies.

3.13.2 Existing Environmental Setting

3.13.2.1 Population

The Bay Area consists of nine counties (Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma) and has an estimated population of 7.7 million people as of 2021.²⁷ Contra Costa is the third most populated Bay Area County, with about 1.15 million people according to the 2020 Census. The project site is located at 901 Loveridge Road, 0.9 mile northeast of the intersection of Pittsburg-Antioch Highway and Loveridge Road in the City, Contra Costa County. The population of the City is approximately 74,321 people (2020)²⁸ Table 3.13-1 shows growth trends and projections for the Bay Area, the County, and the City.

Table 3.13-1: Decadal Population Estimates for Bay Area, Contra Costa County, and City of Pittsburg from 2010 to 2020

	Bay Area			Contra Costa County			City of Pittsburg		
	20101	20151	20201	20102	20152	20202	20102	20152	20202
Total Population	7,150,739	7,594,437	7,748,930	1,049,025	1,113,341	1,153,561	63,264	68,612	74,321
Change from 2010 Population	0	+443,698	+598,191	0	+64,316	+104,536	0	+5,348	+11,057

¹ The estimate is based on the Metropolitan Transportation Commission: Bay Area Census Data
² The estimate is based on the City of Pittsburg 6th Cycle Housing Element (2023–2031 Housing Element)

²⁷ <https://vitalsigns.mtc.ca.gov/indicators/population>

²⁸ [638132607927330000 \(pittsburgca.gov\)](https://www.pittsburgca.gov)

3.13.2.2 Population Projection

According to the projection provided by the Association of Bay Area Governments (ABAG)²⁹ as cited in the City 2015 - 2023 Housing Element, Pittsburg is estimated to grow to approximately 91,600 residents and 27,510 households by 2040. The City's rate of population growth is projected to remain steady at an average 1.3 percent per year from 2010 to 2040. Despite a slowing rate of population growth, ABAG projects that the City's population and households will grow at a faster rate than the county in general.³⁰ Table 3.13-1 compares population growth over time for Pittsburg, the County, and the Bay Area.

3.13.2.3 Housing Stock Characteristics

According to the 2013 estimates provided by the California Department of Finance (DOF) as cited in the Draft City of Pittsburg 2023 - 2031 Housing Element, the distribution of housing units in Pittsburg was roughly similar to that of the County. In Pittsburg, single-family homes constitute approximately 77 percent of the City's total housing stock, while multi-family units and mobile homes comprised roughly 20 percent and four percent, respectively. The county has slightly higher proportion of multi-family units (23 percent) than Pittsburg, likely due to the higher prevalence of multi-family units and condominiums in western Contra Costa County.³

Pittsburg accounts for approximately six percent of total housing units in the County. According to data provided by the DOF, approximately 50,351 new housing units were built in the County from 2000 to 2013. In the same time period, Pittsburg added about 3,155 units. A higher proportion of single-family units were built in the City than in the county overall. Approximately 92 percent of new housing built in Pittsburg during this time was detached single-family housing, compared to 81 percent in the County. According to US Census data, approximately 60 percent of the housing stock in Pittsburg is owner-occupied and 40 percent is renter-occupied, compared to 67 and 33 percent for the County, respectively. Pittsburg contains a significant supply of smaller renter units with two or fewer bedrooms, while owner-occupied housing units are more likely to have three or more bedrooms. The limited supply of large rental units can lead to overcrowding among large low-income families who cannot afford to purchase a home.³

The project site is on the northeastern edge of Pittsburg. The nearest residential area is approximately 1.5 miles west of the project site and is designated as low-density residential in the City's General Plan. Downtown low density represents residential units built at a density of 4 to 12 units per gross acre. Residential units are attached or detached single-family or townhouses. The total number of housing units in the County is 17,860 in 2021.

3.13.2.4 Jobs/Housing Balance

According to ABAG, there were 27,800 employed residents in Pittsburg in 2010, accounting for approximately five percent of countywide employed residents. This is compared to a local employment base of 14,180 jobs in Pittsburg. The result is an estimated jobs-employed resident imbalance of approximately 0.51 jobs per employed resident, less ideal than the County's ratio of

²⁹ ABAG is a joint powers agency formed in 1961 pursuant to California Government Code §§ 6500, et seq., and the council of governments (COG) for the San Francisco Bay Area. ABAG conducts regional population and employment projections and the regional housing needs allocation (RHNA) processes (Government Code Section 65584 et seq.).

³⁰ https://www.hcd.ca.gov/housing-elements/docs/pittsburg_5th_draft123114.pdf

0.68 jobs per employed resident. Due to fewer employment opportunities in the City, the vast majority of Pittsburg workers are commuters, the most recent commute data available, only 17 percent of employed Pittsburg residents work inside the City.³¹

3.13.3 Regulatory Context

3.13.3.1 Federal

No federal regulations related to population or housing would apply to the proposed Project.

3.13.3.2 State

On January 12, 2022, the California Department of Housing and Community Development (HCD) approved the ABAG Regional Housing Needs Allocation (RHNA) Plan. HCD requires Bay Area jurisdictions plan to accommodate 441,776 additional housing units during the 2023 - 31 period. As part of the RHNA, the California Department of Housing and Community Development, or HCD, determines the total number of new homes the Bay Area needs to build and how affordable those homes need to be in order to meet the housing needs of people at all income levels.³¹

ABAG's RHNA Plan five statutory objectives are summarize below:

1. Increase housing supply and mix of housing types, with the goal of improving housing affordability and equity in all cities and counties within the region.
2. Promote infill development and socioeconomic equity; protect environmental and agricultural resources; encourage efficient development patterns; and achieve greenhouse gas reduction targets.
3. Improve intra-regional jobs-to-housing relationship, including the balance between low-wage jobs and affordable housing units for low-wage workers in each jurisdiction.
4. Balance disproportionate household income distributions (more high-income allocation to lower-income areas, and vice-versa)
5. Affirmatively further fair housing.

3.13.3.3 Local

The Housing Element focuses on providing an assessment of both current and future housing needs, existing and potential constraints and opportunities, and the effectiveness and relevancy of existing programs in meeting these needs, and it includes a strategy for implementing housing goals, policies and programs.

The City of Pittsburg 2015-2023 Housing Element contains the following policies and goals promoting equitable access to suitable living in accordance with California's Housing Element Law.

³¹ [RHNA - Regional Housing Needs Allocation | Association of Bay Area Governments](#)

Housing Supply. Foster development of a variety of housing types, densities, and prices to balance the City’s housing stock and meet Pittsburg’s regional fair share housing needs for people of all income levels.

Affordable Housing/Special Needs Housing. Promote the expansion of the City’s affordable housing stock, including that which accommodates special needs households.

Eliminating Discrimination. Eliminate housing discrimination.

Housing Stock Preservation. Improve and preserve the existing housing stock including affordable housing units, where feasible and appropriate.

Neighborhood Design Quality. Enhance the visual quality of Pittsburg’s residential neighborhoods.

3.13.4 Impact Analysis

3.13.4.1 Significance Criteria

For the purposes of this analysis, the proposed project is considered to have a significant impact to population and housing if it would:

- a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure); or
- b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere

Impact Determination

- a. **Would the proposed Project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure. (POP-1)**

No. The project site is on a developed and currently industrial site. The proposed Project would not include construction of new housing nor demolition of existing housing units, and therefore, would not directly cause an unplanned population growth to the region. Because the proposed Project does not include construction of any residential units, the allowances and obligations of the City and county’s density bonus and inclusionary housing ordinances are not applicable.

Significance Level: No Impact. No mitigation is required.

- b. **Would the proposed Project Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere. (POP-2)**

No. The proposed project construction would require between 150 to 225 temporary on-site skilled union workers and proposed project operations would require up to 30 permanent workers. Project construction would result in a temporary increase in workers preparing, staging, construction, hauling materials from demolition of existing structures, and transporting materials to the project site. Due

to the lack of permanency in the construction and demolition phases of the proposed Project, workers are anticipated to come from the existing labor pool in neighboring communities. Construction workers are also expected to commute to the project area throughout the duration of the temporary construction period from the surrounding area or from within the City and would not generate demand for new housing or contribute to substantial population growth within the City or within the region. Therefore, the number of jobs expected to be generated by the proposed Project would be consistent with projected job growth within the City.

Employment associated with the proposed Project represents 0.7 percent of the City's estimated current number of jobs (33,620 in 2019) according to the 2023 - 2031 Housing Element. New employees generated as a result of implementation of the proposed Project would likely commute from surrounding communities or from within the City itself. New employees would not substantially induce population growth beyond what is already planned for.

Proposed Project construction and implementation would not result in any change in the population, housing or employment projections that would exceed population projections or conflict with the City's or county's Housing Elements. Therefore, the proposed Project would have no impact on population and housing.

Significance Level: No Impact. No mitigation is required.

3.13.5 References

Association of Bay Area Governments. (2023). RHNA - Regional Housing Needs Allocation. Available at: [RHNA - Regional Housing Needs Allocation | Association of Bay Area Governments](#). Visited 11/3/2023.

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De Novo Planning Group. (2023). Public Review Draft of City of Pittsburg 6th Cycle Housing Element Housing Plan Background Report. Pittsburg.gov. Available at: <https://www.pittsburgca.gov/home/showpublisheddocument/14796/638132607927330000>. Visited 11/3/2023.

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Pacific Municipal Consultants. (2014). City of Pittsburg Draft Housing Element. Available at: https://www.hcd.ca.gov/housing-elements/docs/pittsburg_5th_draft123114.pdf. Visited 11/3/2023.

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3.14 PUBLIC SERVICES

This section describes potential impacts on public services from construction and operation activities associated with the proposed H Cycle Pittsburg Renewable Hydrogen Project (Project). For this EIR, public services are defined as police and fire protection and emergency services, schools, parks, and other public facilities.

3.14.1 Environmental Setting

3.14.1.1 Regulatory and Policy Context

3.14.1.1.1 Federal

National Fire Protection Association

The National Fire Protection Association (NFPA) develops fire safety codes and standards and conducts fire safety research, training, and public education. The NFPA codes and standards establish procedures to prevent and manage fires and to protect public safety. These codes are adopted on a voluntary basis by individual communities into their respective fire protection and emergency services operations. The NFPA guidelines call for career fire departments response times to within six minutes 90 percent of the time. The average response time (not including dispatch or reaction time) for the four stations serving the city of Pittsburg (City) is currently between 6 minutes 20 seconds, and six minutes 59 seconds.

Uniform Fire Code

The Uniform Fire Code (UFC) contains regulations pertaining to the construction and maintenance of buildings and uses of the premises. Topics addressed in the UFC include fire hydrants, fire department access, fire alarm systems, fire and explosion hazard safety, industrial processes, and many other generalized and fire-specific safety requirements for new and existing buildings. The UFC is a companion publication to the Uniform Building Code (UBC) and contains standards of the American Society for Testing and Materials (ASTM) and of the NFPA. The UBC is the primary guiding document that sets the standards for the built environment and is closely tied to the UFC to protect human life and safety. The UFC and UBC are widely accepted at the national level and adopted by individual states.

3.14.1.1.2 State

California Building Code and California Fire Code

The California Building Standards Code (CCR Title 24), most recently updated in 2022 and took effect January 2023, includes the California Building Standards Code (CBC; Part 2) and the California Fire Code (Part 9). The CBC is based both on a national model code (though modified in some areas to address California conditions) and on building standards authorized by the California legislature but not covered by the national model code. The CBC applies to all projects in California, except where more stringent standards have been adopted by state and local agencies. The California Fire Code typically includes requirements such as installation of fire sprinklers other

building materials such as fire doors in certain types of development and the clearance of debris and vegetation within a prescribed distance from occupied structures in wildfire hazard areas.

3.14.1.1.3 Regional

Goals and policies protecting law enforcement, parks and open space and schools are found in the Contra Costa County (County) General Plan 2020. Policy 7-58 for law enforcement requires that County sheriff patrol beats shall be configured to assure minimum response times and efficient use of resources. The County’s environmental review process shall be utilized to monitor the ability of area schools to serve development (Policy 7-136).

In additional to the policies described above, the County’s Growth Management Element of the General Plan includes standards for neighborhood parks, with a goal to acquire and maintain three acres of parkland per 1,000 County residents.

3.14.1.1.4 Local

City of Pittsburg

The City’s Goals and Policies for public services are found in the Public Services Element (Chapter 11) of the City of Pittsburg General Plan 2020. Project-relevant goals and policies specific to fire protection emergency response, police, schools, parks and other public facilities as discussed in this section are summarized below:

Fire Protection	
Goal 11-G-8	Require development in areas of high fire hazard to be designed and constructed to minimize potential losses and maximize the ability of fire personnel to suppress fire incidents
Policy 11-P-24	Amend the subdivision regulations to include a requirement for detailed fire prevention and control, including community firebreaks, for projects in high and extreme hazard areas.
Policy 11-P-25	Review and amend ordinances that regulate development in potentially hazardous locations to require adequate protection, such as fire-resistant roofing, building materials, and landscaping.
Policy 11-P-27	Cooperate with CCCFPD to ensure that new or relocated fire stations are constructed on appropriate sites within the 1.5-mile response radii from new or existing development.
Policy 11-P-29	Ensure adequate road widths in new development for fire response trucks, per the area regulations.
Major Park Lands	
Policy 9-32	Major park lands shall be reserved to ensure that the present and future needs of the county's residents will be met and to preserve areas of natural beauty or historical interest for future generations. Apply the parks and recreation performance standards in the Growth Management Element.
Policy 9-35	Regional-scale public access to scenic areas on the waterfront shall be protected and developed, and water-related recreation, such as fishing, boating, and picnicking, shall be provided.

City of Pittsburg Municipal Code

The Pittsburg Municipal Code (PMC) includes provisions for new construction projects within the City. It contains, by reference, the CBC and California Fire Code, and reflects General Plan protection requirements regarding emergency planning and preparedness, interior finishes, fire protection systems, means of egress, construction and demolition, hazardous materials, explosives and fireworks, flammable and combustible liquids, flammable gases and cryogenic fluids, and liquefied petroleum gases.

3.14.2 Existing Conditions

3.14.2.1 Schools

Educational facilities in the vicinity of the project site include elementary and secondary schools, a community college, and a public library (the County Library system's Pittsburg Library). The project site is within the Pittsburg Unified School District, which serves more than 9,800 students in Kindergarten through 12th grade. The school district is composed of eight elementary schools, two middle schools, one comprehensive high school, one continuation high school, adult education, and preschool services. Schools closest to the project site include Martin Luther King Junior High School and Pittsburg Preschool and Community Council (about 1 mile southwest of the project site), Pittsburg High School and Marina Vista Elementary School (1.65 miles east of the project site). In addition, two elementary and secondary schools, two continuation schools, two private parochial schools and Los Medanos Community College are located within 2.5 miles of the project site (City of Pittsburg 2020 General Plan).

3.14.2.2 Parks and Recreational Facilities

Pittsburg's Public Works Department manages City park maintenance, while park operation is managed by the City's Recreation Department. The planning, building, and engineering divisions are responsible for acquisition and development of park facilities. The City has approximately 312 acres of parkland within the City's local park system, ranging in size from 0.25-acre mini parks to the 190-acre Stoneman Park (City of Pittsburg 2020 General Plan).

Open space areas are present east and northwest of the proposed project site. The closest local park, Central Park, is located 0.5 mile southwest of the project site, along the Pittsburg-Antioch Highway, and contains a picnic area, play area, and sports facilities (City of Pittsburg 2020 General Plan).

3.14.2.3 Fire Protection

The Contra Costa County Fire Protection District (CCCFPD) provides fire protection and suppression services for the cities of Pittsburg and Antioch, and surrounding unincorporated areas such as Bay Point. There are a total of eight stations in the battalion. Four fire stations—Stations 84, 85, 86, and 87—currently serve Pittsburg and Bay Point. Table 3.14-1 lists fire station facilities operating in the project area. Station 84 on Railroad Avenue and Station 85 on Loveridge Road are approximately 1.6 miles from the project site.

Table 3.14-1: Fire Station Locations and Facilities in the Pittsburg Planning Area

Station#	Location	Facilities
Station 84	903 Railroad Ave, Pittsburg	Quint, Powerwagon
Station 85	2331 Loveridge Rd, Pittsburg	Engine, Powerwagon
Station 86	10 Goble Drive Bay Point, Bay Point	Engine, Powerwagon
Station 87	800 West Leland Road, Pittsburg	Engine, Powerwagon

Source: Contra Costa County Fire Protection District. <https://www.cccfpd.org/>. Website accessed December 8, 2023

CCCFPD facilities include 29 fire stations (City of Pittsburg 2020 General Plan, Chapter 11 Public Facilities) There are 12 battalion chiefs assigned to the district - which includes the cities of Pittsburg, Antioch, Martinez, Concord, Clayton, Pleasant Hill, Walnut Creek and Lafayette - including ten shift battalion chiefs who lead and manage four battalions. Two battalion chiefs lead and manage the training and emergency medical services divisions, which receive 42,000 urban fire calls per calendar year. About 10,500, or 25 percent, of these calls are from East County, which includes Pittsburg. The CCCFPD also maintains mutual-aid agreements with the East Diablo Fire Protection District, East Bay Regional Park District, California Department of Forestry, and private industrial companies located within its service area. These agreements provide the CCCFPD with emergency response assistance on an as-needed basis. Active industrial sites follow protocols found in the Pittsburg Consolidated Contingency Plan (CCP). This plan defines what constitutes potential on-site emergencies and describes the procedures and resources to be deployed during an emergency. The CCP currently includes the project site and would be updated with emergency response roles, contact information and team roles and response capabilities for the proposed Project.

The CCCFPD operates a countywide early warning system for industrial fires. Known as the Community Warning System (CWS), industrial facility sirens are activated when an incident occurs. The system notifies members of the public via television and radio announcements. (Pittsburg General Plan, Chapter 11 Public Facilities).

3.14.2.4 Police Protection

The Pittsburg Police Department (PPD) is headquartered at 65 Civic Avenue, approximately 2 miles southwest of the project site. For the 2017/2018 fiscal year, the Operations Bureau, which includes the Patrol Division and Traffic Division, consisted of 68.5 full-time equivalent (FTE) sworn officers. The City receives approximately 80,000 calls for service annually³². The PPD Patrol Division operates 24 hours a day, 365 days a year. Typically, a minimum of eight sworn PPD officers are on duty at all times of the day. While PPD maintains jurisdiction over the project site and neighboring parcels, both Pittsburg and Antioch police departments respond to facilities incidents that require police and law enforcement services.

³² City of Pittsburg, 2018. *Adopted Annual Budget* Fiscal Year 2018-19. June 18.

3.14.3 Impact Analysis

3.14.3.1 Significance Criteria

Criteria for determining the significance of impacts related to Public Services are based on the environmental checklist form in Appendix G of the State CEQA Guidelines § 15000 et seq. An impact related to public services would be considered significant if the proposed Project's construction and/or operation and maintenance activities would:

Result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the following public services:

- Fire protection
- Police protection
- Schools
- Parks
- Other public facilities

3.14.4 Impacts and Mitigation Measures

3.14.4.1 Impact Determination

3.14.4.1.1 Construction and Operational Impacts

Because public services district boundaries and service needs would not be affected differently by construction or operation of the proposed Project, discussion of potential construction and operational impacts have been combined.

a. Would the proposed Project induce substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for fire protection and emergency services? (PUB-1)

No. The CCCFPD operations division provides “all risk” emergency services in the City, which includes emergency response to hazardous materials spills, leaks, and releases at fixed facilities, and special operations response to marine fires and emergencies.

As described in Section 3.14-2, Existing Setting, the Contra Costa County Health and Sheriff's Departments jointly operate a countywide community alert system which is activated when an industrial chemical release or fire occurs (Contra Costa County 2022). The Community Warning System (CWS) can also transmit alerts via text, social media, television, and radio announcements. A CWS siren is located at the Dow chemical facility located immediately adjacent to the project site.

It is anticipated that the proposed Project would utilize the CWS during project construction and would be connected to the alert system for duration of project operations on the project site.

It is expected that operators of the proposed Project would maintain internal fire response teams and systems for facilities on the project site. Operators of the proposed Project would also be required to develop and implement site-specific emergency and spill response plans with emergency procedures, contact numbers. These plans would list types of equipment needed in event of various types of emergencies.

In addition, the City has established a Community Facilities District (CFD) to fund ongoing fire protection services (CFD 2017-1). CFD 2017-1 provides funding for increased fire protection and emergency services within the City. Given that the project site is located within an existing urbanized/industrial area, it is not expected that the proposed Project would increase the demand for fire services such that the construction of a new or expanded fire station would be required. The proposed Project would not result in a significant impact on the physical environment due to the incremental increase in demand for fire protection and life safety services, and the potential increase in demand for services would not be expected to adversely affect existing response times within the project vicinity or City. Therefore, construction and operation of the proposed Project would have a less-than-significant impact on fire protection and safety services and facilities.

Significance Level: Less than Significant. No mitigation would be required.

b. Would the proposed Project induce substantial adverse physical impacts associated with the need or provision of new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for police protection? (PUB-2).

No. Construction activities would not substantially increase the need for police services and would not require new or physically altered governmental facilities. While much of the project site is either abandoned or undeveloped, surrounding uses are occupied by industrial businesses that have been operating for several years. Adjacent businesses, such as the Dow and Corteva facilities, are difficult to access due to security fencing and other enhanced security measures. The Dow and Corteva access gates are either locked, equipped with secure ID badge access systems, or staffed by security personnel. Video cameras are stationed at various points around these industrial facilities.

Operation of the proposed Project would require 30 permanent on-site employees. It is not anticipated that additional law enforcement staff or facilities would be needed to accommodate daytime increases in population on the project site. The PPD would continue to provide services to the project site and surrounding area and would not require the construction of a new or expanded police station. Therefore, the proposed Project would have a less-than-significant impact on the provision of additional police facilities or services.

Significance Level: Less than Significant. No mitigation would be required.

c. Would the proposed Project induce substantial adverse physical impacts associated with the need or provision of new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios or

other performance objectives for educational facilities, public parks or other government facilities (PUB-3).

Schools

No. The proposed Project would not include housing or substantially contribute to population increases that would necessitate new construction of schools. The Pittsburg Unified School District (PUSD) is a Kindergarten through 12th grade district that serves the project area and the City as a whole. The proposed Project is not residential in nature and would not directly increase enrollment levels at city schools that would require construction or expansion of existing schools in the project vicinity.

Parks

No. As discussed in Chapter 2, Project Description, construction and operational activities of the proposed Project would require between 150 and 225 temporary employees and up to 30 permanent employees, all of whom would be drawn from the local or regional labor pool. The proposed Project would not create a substantial need for new housing or substantial new employment and would not significantly increase population, which would add to demand on parks. There would be no impact on parks and recreation resources from implementation of the proposed Project.

Other Public Facilities

No. Other public facilities, such as libraries, cultural centers, or civic centers would not be affected by directly or indirectly by project construction and operations. Therefore, there would be no impact on other public facilities in the project vicinity.

Significance Level: No impact. No mitigation would be required.

3.14.5 References

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3.15 RECREATION

3.15.1 Introduction

In the context of this environmental impact review, recreation refers to the use of lands or waterways for leisure and outdoor activities, such as hiking, biking, picnicking, boating, fishing and nature observation. The recreation section of this review examines the potential impacts associated with the proposed H Cycle Pittsburg Renewable Hydrogen Project (Project) on parks and recreational resources and considers measures that can be taken to mitigate these impacts. The analysis takes into account existing recreational facilities and resources in the project area, as well as the potential demand for additional recreational opportunities resulting from the proposed development and or increased demand for recreational areas due to new employees and their families moving to the area.

3.15.2 Environmental Setting

The City has a recreation and open space system that includes a variety of sizes and types, from neighborhood parks to regional open spaces. These park, recreation, and open space areas serve different purposes and usually offer facilities corresponding to their purposes. They can meet active and passive recreational needs or facilitate resource conservation (City of Pittsburg 2001). The City's park and open space system currently includes the following types of facilities:

- Regional trails provide opportunities for hiking, biking, and jogging along open space corridors throughout the region. The Delta De Anza Trail runs approximately 4.8 miles along the East Bay Municipal Utility District (EBMUD) right-of-way through Pittsburg.
- Community Parks. Community parks are developed primarily to meet the recreational needs of a large portion of the City. Community parks range in size from 2 to 300 acres according to purpose, and often feature one-of-a-kind community facilities or natural resources.
- Neighborhood Parks. Neighborhood parks primarily serve a small portion of the City, usually within one-half mile radius of the park. These parks are generally oriented toward the recreational needs of children and youth.
- Linear Parks. Often located along natural or manmade corridors such as rivers or rail lines, linear parks provide landscaped paths for walking and biking. Ideally, linear parks create linkages between other parks, community facilities, and neighborhoods.
- Mini-Parks. Mini-parks are usually small play areas or green spaces designed for small children or for visual purposes. When designed for special groups, miniparks should be located near those populations, such as family housing areas or senior centers.
- Regional Preserves. The primary purpose of Regional Preserve areas is the conservation of natural resources. Browns Island Regional Shoreline, which is accessible only by boat, is a refuge for migrating shorebirds. The Black Diamond Regional Preserve, located south of Pittsburg in Contra Costa County (County), offers tours of abandoned coal mining tunnels

and many miles of hiking trails. Both preserves under the jurisdiction of the East Bay Regional Park District (EBRPD) are within Pittsburg's Planning Area.

- **Open Space.** Open space, as designated by the General Plan, consists of privately owned, undeveloped land. Steep, unstable hillside areas in new residential developments are considered open space areas, as well as large tracts of open land beyond the proposed limits of urban growth. Most open space areas consist of natural grassy slopes, cattle grazing, and/or wildlife habitat.

The closest recreation resource is El Pueblo Park, located 2.3 miles southwest from the project site, and features basketball courts, a playground and greenspace. City Park is located 3.6 miles southwest from the project site and features various recreational facilities such as a playground, picnic area, baseball diamond, soccer field, basketball court, and green space. Pittsburg High School is located 3.2 miles southwest of the project site and features various recreational facilities, such as a baseball diamond. Los Medanos College is located 2.7 miles southwest of the project site and features various recreational facilities, such as a tennis court and baseball diamond.

3.15.3 Regulatory Context

3.15.3.1 Federal

No applicable federal regulations or policies are related to recreational resources in the Study Area.

3.15.3.2 State

No applicable federal regulations or policies are related to recreational resources in the Study Area.

3.15.3.3 Local

The 2020 General Plan's Open Space, Youth and Recreation element has the following goals and policies.

GOALS: PARKS

8-G-1 Develop a high-quality public park system for Pittsburg that provides varied recreational opportunities accessible to all City residents.

8-G-2 Provide parks that reflect the diversity of Pittsburg's natural setting, including creeks and waterways, tree stands, rock outcroppings, and topography.

POLICIES: PARKS

8-P-1 Maintain a neighborhood and community park standard of 5 acres of public parkland per 1,000 residents.

8-P-2 Pursue the development of park and recreation facilities within reasonable walking distance of all homes.

8-P-3 Develop public parks and recreational facilities that are equitably distributed throughout the urbanized area and provide neighborhood recreation facilities in existing neighborhoods where such facilities are presently lacking.

8-P-4 Consider park accessibility, use and character as more valuable than size in the acquisition and development of new parks.

8-P-5 Maintain park and recreation facility standards for new development to serve both residents and employees, attainable through dedication of parkland or payment of in-lieu fees

3.15.4 Impacts and Mitigation Measures

3.15.4.1 Significance Criteria

- a. Would the proposed Project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? (REC-1)

No. The proposed project construction is anticipated to last 18 to 24 months and involve 150 to 225 on-site union workers and staff. The work force is expected to come from the surrounding cities and the County. Project operations would require about 30 full-time employees and would also be expected to come from surrounding cities and the County. Even in the event that all of the operational workforce and their families moved to the city of Pittsburg (City), this small number of potentially new residents would not affect the density or use of nearby parks and recreational facilities.

Significance Level: No impact. No mitigation is required.

- b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? (REC-2)

The proposed Project would not construct or expand existing recreation facilities. Therefore, it can be concluded that the proposed Project would have no impact on the availability or use of parks and recreational facilities in the surrounding area.

Significance Level: No impact. No mitigation is required.

3.15.5 References

City of Pittsburg. 2001. "Open Space, Youth and Recreation Element." *City of Pittsburg General Plan 2020: A Vision for the 21st Century*. January 2001.

3.16 TRANSPORTATION AND TRAFFIC

This section describes the existing transportation network in the vicinity of the proposed H Cycle Pittsburg Renewable Hydrogen Project (Project) and potential impacts to the roads, automobile and non-automobile transportation modes and vehicle miles traveled (VMT). Key sources of information for this section include local and regional transportation planning documents, aerial photography of the project site and surrounding street network and maps available online, and the *Transportation Impact Assessment* prepared by Fehr & Peers (October 2023; Appendix C of this EIR)

3.16.1 Environmental Setting

3.16.1.1 Regulatory and Policy Context

Interstate highways, state routes and bridges are governed by the Federal Highway Administration and California Department of Transportation. County roads are governed by Contra Costa County (County) and other local streets and highways are governed by local cities. In all cases, specific standards apply with respect to the planning, design and operation of roadways and intersections. Not all governing agencies impose the same criteria (e.g., cross sections and rights-of-way for the same street may differ from jurisdiction to jurisdiction). Rail facilities are regulated in the state by the California Public Utilities Commission (CPUC). Train operations are also subject to CPUC guidelines. The design and operation of railroad grade crossings are subject to Federal Railroad Administration guidelines. Numerous other federal agencies also have regulatory authority over rail transportation.

3.16.1.1.1 Federal

Title 23 United States Code – Highways

Section 103 of Title 23 USC establishes the federal and interstate highway system consisting of highway routes that serve to support commerce and connect major population centers, ports, points of entry and travel destinations. Section 116 of Title 23 USC assigns the duty to maintain federal highways and routes to state departments of transportation.

In accordance with Section 134 of Title 23 USC, a metropolitan planning organization (MPO) must be designated for each urbanized area with a population exceeding 50,000 people. MPOs are charged with developing long-range transportation plans and improvement programs for various modes of transportation, in coordination with state transportation agencies and public transportation operators, on 4- or 5-year cycles. Compliance with the federal statute makes MPOs eligible for receipt of federal transportation funds.

3.16.1.1.2 State

Senate Bill 375 (Steinberg)

California Government Code Section 65080, as amended in 2008 by Senate Bill 375 (Steinberg), requires regional transportation planning agencies in the state to “prepare and adopted a regional

transportation plan directed at achieving a coordinated and balanced regional transportation system.” The statute further directs that the Regional Transportation Plan (RTP) address multiple modes of transportation, including transportation of goods and people by automobile, railroad, water, bicycle, pedestrian, mass transit, water and air. The RTP must also address equity in transportation and include a sustainable community strategy (SCS) that outlines land uses, identifies areas for housing future regional population and specifies transportation network improvements that align with regional needs. The RTP describes a forecasted development pattern that would have the effect of achieving state-legislated goals for reductions in greenhouse gas emissions from light trucks and automobiles, including but not limited to the Governor’s EO S-3-05, which sets a greenhouse gas emission reduction target of 80 percent below 1990 levels by 2050.

Senate Bill 743 (Steinberg)

Approved by the Governor in 2013, Senate Bill 743 (Steinberg) directs a change in transportation impact analysis conducted under CEQA, wherein transportation impacts of a project are evaluated using the metric of VMT rather than level of service (LOS). LOS is a method of describing how much relative delay an automobile driver experiences on a street segment or at an intersection. LOS is described using a letter grade of LOS A through LOS F, where LOS A indicates free-flowing traffic with minimal delays, and LOS F indicates severe congestion. By contrast, VMT accounts for the number of trips generated by a project multiplied by the length in miles of each trip. The intent of the legislation is to reduce greenhouse gas emissions from automobile use by reducing the length or number of automobile trips.

California Department of Transportation

Pursuant to Article 3 of California Streets and Highways Code, the Department of Transportation (Caltrans) controls and is responsible for state highway right-of-way acquisition, construction and maintenance, including repair of highway facilities (e.g., pavement, bridges, signage), litter abatement, deicing, and installation and upkeep of lighting, landscaping and transit amenities within state highway rights-of-way. Caltrans also issues federal grant funds for transportation projects to regional and local agency projects and conducts long-range planning efforts aimed at reducing single-occupant vehicle trips and increasing use of alternative transportation modes.

Caltrans’ guidance for analysis of projects’ impacts on state facilities pursuant to CEQA and Senate Bill 743 is consistent with the technical guidance offered by the State Office of Planning and Research (OPR) in its “Technical Advisory on Evaluating Transportation Impacts in CEQA” (December 2018), which suggests that a development project would have a potentially significant VMT impact if it did not reduce VMT by 15 or more percent below the per capita average for the region in which the project is located. OPR’s technical advisory includes a screening criterion of 110 new vehicle trips, below which a project would not be anticipated to have a significant transportation impact and no further study would be needed. The technical advisory provides no direct guidance for short-term projects or transportation impacts resulting from construction. Under the technical guidance, lead agencies may decide whether or how to include trips from heavy duty trucks in their analyses.

3.16.1.1.3 Local

TRANSPAC (Transportation Partnership and Cooperation), Central County Action Plan for Routes of Regional Significance

Consistent with the state’s guidelines, the County’s Transportation Analysis Guidelines (June 2020) includes screening criteria for VMT (110 new daily vehicle trips, transit-proximate development and small residential or commercial projects), below which a project would not be considered to have a significant transportation impact. For office, industrial, and institutional projects that do not meet screening criteria, the project would have a potentially significant transportation impact if it could not be demonstrated that the project would not achieve VMT of 15 or more percent below the Bay Area average commute VMT per employee.

The Contra Costa Transportation Authority (CCTA) has long encouraged walking and bicycling to support adoption of a safe and connected and convenient system of bicycle and pedestrian facilities. The 2018 Countywide Bicycle and Pedestrian Plan (CBPP) identifies Pedestrian Priority Areas and redefines the Countywide Bikeway Network as a low-stress and connected system of facilities designed to serve all ages and abilities. This CBPP reflects local active transportation plans in creating guidelines for improving interchanges and intersections, integrate efforts to reduce VMT and meet SB 743 requirements, and include short- and long-term funding and bikeway network priorities.

City of Pittsburg

Bicycle and Pedestrian Facilities

Existing bicycle and pedestrian facilities in the vicinity of the Study Area include sidewalks, crosswalks, pedestrian signals, and multi-use trails. Eight-foot sidewalks are provided along the south side of Pittsburg-Antioch Highway heading east toward the Auto Center Drive/West Tenth Street intersection. No sidewalks are available west of the Arcy Lane/Pittsburg-Antioch Highway intersection. Crosswalks are provided at signalized and unsignalized intersections. Pedestrian push-button actuated signals are provided at signalized intersections in the Study Area.

The City’s “Pittsburg Moves” Active Transportation Plan was last updated in 2018 and indicates the project site is located in an area of the City characterized by large industrial parcels. The project site is not served by designated transit or bicycle routes. The closest bus stop is approximately 2 miles from the project site, west of the Loveridge/Pittsburg-Antioch intersection. However, Eastern Contra Costa County provides Dial-a-ride services on demand to local residents who are seniors or disabled.

A Class II buffered bicycle lane is located on Pittsburg-Antioch Highway that would serve the project site.. The project site is within 1,000 feet of the Pacific Ocean shoreline to the north, industrial waste ponds along the Dowest Slough to the west, the Burlington Northern Santa Fe Railroad corridor to the south. Arcy Lane, a privately-owned access road, connects the south side of the project site to the Pittsburg Antioch Highway. Designated truck routes to access this site are identified in the City’s GIS base map, showing routes along Loveridge Road and the Pittsburg Antioch Highway. The City’s Active Transportation Plan calls for the installation of sidewalks and a Class I bicycle facility along the Pittsburg-Antioch Highway in the vicinity of the project site.

Passenger Rail Service

Heavy rail transportation service is provided in the area and region by Amtrak. Bay Area Rapid Transit (BART) provides fixed rail transit to eastern Contra Costa County. The Antioch SFO/Millbrae line provides access to two stations located in Pittsburg. The Pittsburg/Bay Point station is approximately 5 miles west of the project site and the Pittsburg Center station is approximately 1.5 miles south of the project site. Weekday BART service is provided on approximately 15-minute headways and weekend BART service is provided on approximately 20-minute headways. The Antioch SFO/Millbrae Line connects to key regional employment centers including Concord, Pleasant Hill, Walnut Creek, Oakland, and San Francisco. Transfers to other lines can be made in Oakland for destinations in northern California, Oregon and Washington and as far east as Chicago. Capital Corridor trains provide commuter travel to stations between the cities of Sacramento and San Jose, and Amtrak bus service offers fixed route regional transportation from the station to Solano, Napa and Sonoma counties to the north.

Freight Railroad Lines

The BNSF Railway line runs in an east-west direction, running parallel to and adjacent to the southernmost border of the project site.

Roadway Network

Regional access to and from the project site is provided by state and interstate freeways in the area (Figure 3.16-1). A primary access road would be improved and extended at Arcy Lane to the south of the project site. A portion of the existing privately-owned road is maintained by Delta Diablo. The existing Corteva gate-controlled access point at the northern end of Arcy Lane would be the main entrance into the project site. Two existing roads would provide emergency access, one located on the western side of the project site, along Pittsburg Waterfront Road, and one on the northern side of the project site, along East 3rd Street. HC (Contra Costa), LLC (Applicant) would enter an agreement for access rights to existing roads and facilities that are currently controlled by Corteva and Delta Diablo. Local roadways that are significant to the proposed Project are described below.

- **The Pittsburg-Antioch Highway**, defined as a Route of Regional Significance in CCTA East County Action Plan for Routes of Regional Significance, located just north of SR 4 becomes W 10th Street as it enters Antioch to the east and terminates at Harbor Street in Pittsburg to the west. The posted speed limit is 45 to 50 mph.
- **Auto Center Drive** (formerly known as Somersville Road) is defined as a Route of Regional Significance in CCTA's East County Action Plan for Routes of Regional Significance. It is a north-south major arterial with two travel lanes in each direction and left turning median lanes. Auto Center Drive contains both sidewalks with no buffers and sidewalks with buffers. No bicycle facilities are present along Auto Center Drive. The posted speed limit is 35 mph.
- **Highway 4, also known as the California Delta Highway**, is designated as a Route of Regional Significance, is a state-managed, east-west freeway located approximately 1 mile south of the project site. Highway 4 currently has two travel lanes in each direction but is under construction to be widened to add one lane in each direction. On-ramps to and off-ramps from SR 4 to the Pittsburg Antioch Highway are located at Loveridge Road, approximately

1.3 miles southwest of the project site. SR 4 is an eight-lane freeway within the project vicinity, with interchanges at Auto Center Drive/Somersville Road, Loveridge Road and California Avenue. All intersections at the interchanges are signalized and at its on- and off-ramps are operated by Caltrans.

- **Interstate Highway 680** is a north-south freeway located approximately 10 miles west of the project site. Interstate Highway 680 has four lanes in each direction. On-ramps to and off-ramps from Interstate 680 are located at SR 4.

Methodology and Assumptions

This section discusses potential transportation and traffic impacts that could result from implementation of the proposed Project. The potential environmental impacts to transportation and traffic are analyzed at project-level detail. Direct, indirect, and cumulative impacts are addressed for each threshold criterion below.

A report summarizing the findings of the Traffic Impact Assessment (TIA) prepared for the proposed Project (Fehr & Peers 2023), is included as Appendix C of this EIR. The TIA evaluated the trip generation for the proposed Project. Analysis of the proposed Project uses a Vehicle Miles of Travel (VMT) approach to measure automobile use on a daily basis. The VMT approach for transportation impacts of the proposed Project evaluates the average 5-year baseline period transportation and operational conditions against the transportation and operational conditions of the proposed Project using the Regional Travel Behavior Model (CCTA Model). For this analysis, a 2-year construction period for the proposed Project is used. Operation of the proposed Project would continue concurrent during the construction period, but at a reduced level of throughput.

Physical impacts are evaluated based on changes to the transportation network that would result from the proposed Project compared to existing conditions as described above, though it is noted that no changes to the road network are part of the proposed Project.

Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet, Map Rotation: 0
 - Saved By: S.RAY on 7/16/2024, 10:42:48 AM, File Path: V:\H-Cycle\056412_Pittsburg_Hydrogen\Project\A-APPX\Renewable Hydrogen Project EIR.aprx, Layout Name: Transportation Map



- 1 STUDY INTERSECTION
- ★ PROJECT LOCATION
- PROJECT SITE BOUNDARY
- CITY LIMITS

DATA SOURCES: TRC, STATE OF CALIFORNIA GEOPORTAL, IMPORTANT FARMLAND.



1:9,000
 1" = 750'
 0 375 750 FEET

PROJECT:		H CYCLE PITTSBURG RENEWABLE HYDROGEN PROJECT CONTRA COSTA COUNTY, CALIFORNIA	
TITLE:		TRANSPORTATION AND CIRCULATION MAP	
DRAWN BY:	S. RAY	PROJ. NO.:	506412.0000.0000
CHECKED BY:	R. SPRING	FIGURE 3.16-1	
APPROVED BY:	P. DEMICHELE		
DATE:	JANUARY 2024		

1850 GATEWAY BLVD, SUITE 1075
 CONCORD, CA 94520
 PHONE: 925.688.1200

FILE: Renewable Hydrogen Project EIR.aprx

3.16.1.2 Significance Criteria

For the purposes of this analysis, the proposed Project is considered to have a significant transportation impact if it would:

- a. Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?
- b. Conflict or be inconsistent with CEQA Guidelines Section 15064.3(b)?
- c. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?
- d. Result in inadequate emergency access?

3.16.2 Impacts and Mitigation Measures

3.16.2.1 Impact Determination

3.16.2.1.1 Construction-Related Impacts

- a. **Would the proposed Project conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities? (TRAN-C1)**

No. The project would generate new vehicle trips during construction and operational activities. Construction and operational activities would be occurring simultaneously while project construction is anticipated to last 18 to 24 months. All construction vehicle entry and exit to the site, both trucks and worker vehicles, would occur via the driveway along Arcy Lane, one-half mile north of the Arcy Lane/Pittsburg Antioch Highway intersection.

As described above, regulations, goals, policies and programs that apply to the proposed Project include the City of Pittsburg Municipal Code, the City of Pittsburg General Plan and the CBPP prepared by CCTA. These guidance and regulatory documents combined support safety, convenience and expanded opportunities for use of multiple transportation modes (walking, bicycle, bus and train transit) to reduce reliance on automobile transportation and its associated air emissions; separation to the greatest extent feasible of local neighborhood and heavy truck traffic or through traffic; adequate access for emergency response and preservation of existing facilities for transportation of goods by water and rail, where applicable.

No physical changes to the road network are included as part of the project proposal. Construction crews and equipment delivery trucks would use existing roadways, routes and access gates to travel to and from the project site. The proposed Project's primary point of access would be from the intersection of Arcy Lane/Pittsburg-Antioch Highway. This access point would operate at LOS A as a whole with LOS B and C on the minor street movement (left turn out of Arcy Lane). As such, at project buildout, the proposed Project is not expected to have significant impacts at any of the Study Area.

Significance Level: Less than Significant. No mitigation required.

b. Would the proposed Project have a conflict or be inconsistent with CEQA Guidelines Section 15064.3(b)? (TRAN-C2)

No. The transportation analysis guidelines of the state and County do not include criteria for analysis of VMT for construction-related trips. These trips are typically temporary, lasting only for the duration of project construction. Therefore, construction-related transportation impacts would not result in significant environmental impacts. As discussed in impact TRAN-C1 above, construction of the proposed Project is estimated to last for 18 to 24 months, after which ongoing maintenance could be performed by permanent maintenance staff. Due to their temporary nature, VMT impacts resulting from passenger and construction trips for the proposed Project would be less than significant.

Significance Level: Less than Significant. No mitigation required.

c. Would the proposed Project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? (TRAN-C3)

No. Construction of the proposed Project would involve large trucks, such as delivery trucks, cement trucks, dump trucks and water trucks, for delivery of new materials and equipment. As many as 60 large vehicles per day are projected to be necessary in the early months of project construction. The proposed Project would result in no change to the surrounding roadway network, and therefore, its environmental impact would be less than significant.

Significance Level: Less than Significant. No mitigation required.

d. Would the proposed Project result in inadequate emergency access? (TRAN-C4)

No. With no change to existing access routes on and off the property, and no need for expansion or modification of existing access routes, the project's impacts would be less than significant. Two existing roads would provide emergency access, one located on the western side of the project site, along Pittsburg Waterfront Road, and one on the northern side of the project site, along East 3rd Street. The Applicant would join a maintenance agreement for access rights to existing roads and facilities that are currently controlled by Corteva and Delta Diablo. Access will be coordinated with emergency services as part of design review approval with the City and the CCCFPD.

Significance Level: Less than Significant. No mitigation required.

3.16.2.2 **Operational Impacts**

a. Would the proposed Project have a substantial effect on a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities? (TRAN-O1)

No. Regulations, goals, policies and programs that would apply to the proposed Project include the City of Pittsburg Municipal Code, the City of Pittsburg General Plan and the CBPP prepared by CCTA. The proposed Project site is not located within a Pedestrian Priority Area identified in the CBPP. The proposed Project would have a less than significant impact on non-automobile travel

modes and would not conflict with local and regional policies in support of alternative transportation modes and reduction of single-occupant vehicle trips.

Significance Level: Less than Significant. No mitigation required.

b. Would the proposed Project have a conflict or be inconsistent with CEQA Guidelines Section 15064.3(b)? (TRAN-O2)

No. The VMT analysis guidelines and their supporting statutes also do not specify methodologies for evaluation of impacts from heavy duty truck trips, as for goods and product movement. Truck trips associated with the proposed Project are included here for reference and information.

Once the proposed Project commences operation, the average number of employees is expected to be 30. These 30 employees would generate an average of 93 passenger vehicle trips per day. Truck trips associated with the proposed Project are anticipated to be 94 average per day for a total of 187 total daily vehicle trips. No significant impacts are expected from the total 187 vehicle trips.

Significance Level: Less than Significant. No mitigation required.

c. Would the proposed Project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment). (TRAN-O3)

No. Similar to the construction period, operation of the proposed Project would not result in changes to existing circulation patterns in the project vicinity. The proposed Project would have no change to the surrounding roadway network, and its environmental impact would be less than significant.

Significance Level: Less than Significant. No mitigation required.

d. Would the proposed Project result in inadequate emergency access? (Tran-O4)

No. The proposed project access points on Arcy Lane and a second connection to the west of the project site would provide emergency vehicle access to the site. Contra Costa County Fire Protection District (CCCFPD) requirements and design standards will be required conditions of approval for the proposed Project (i.e., even surface pavement, appropriate signage, delineation, and other features at all emergency access points and internal roadways to accommodate emergency vehicles). As part of the proposed Project's final design and permitting process, the Developer would be required to obtain approval of the CCCFPD.

Significance Level: Less than Significant. No mitigation required.

3.16.3 References

California Government Code. Online: <https://leginfo.legislature.ca.gov/>. Accessed online: July 7, 2021.

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Ferh & Peers. 2023. H Cycle Pittsburg Renewable Hydrogen Project -Transportation Impact Assessment.

Office of Planning and Research, California (OPR). 2018. "Technical Advisory on Evaluating Transportation Impacts in CEQA." December.

National Oceanic and Atmospheric Administration's Sea Level Rise Viewer Map

3.17 UTILITIES AND SERVICE SYSTEMS

This chapter describes the existing utilities and service systems proposed to serve the project site and evaluates the potential environmental consequences of the proposed H Cycle Pittsburg Renewable Hydrogen Project (Project). Water, wastewater, solid waste, and stormwater infrastructure are each addressed in separate sections of this chapter. In each section, a summary of the relevant regulatory setting and existing conditions is followed by a discussion of potential impacts and cumulative impacts from the proposed Project. Potential impacts associated with the need to expand existing electricity and natural gas facilities are addressed in the Environmental Impact Report (EIR) section 3.6 Energy.

Water use and supply information for the proposed Project is drawn from the City of Pittsburg 2020 Urban Water Management Report (2021), which quantifies the City's past, current, and future projected water use through the year 2045. Additional information is from the Contra Costa Water District Urban Water Management Plan (2021).

3.17.1 Environmental Setting and Regulatory Environment

3.17.1.1 Federal Regulations

The federal government regulates wastewater treatment and planning through the Federal Water Pollution Control Act of 1972, more commonly known as the Clean Water Act (CWA), as well as through the National Pollutant Discharge Elimination System (NPDES) permit program, both of which are discussed in further detail below.

3.17.1.1.1 Clean Water Act

The CWA (33 USC §1251 et seq.), regulates the discharge of pollutants into watersheds throughout the nation. It is the primary federal law governing water pollution. Under the CWA, the United States Environmental Protection Agency (EPA) implements pollution control programs and sets wastewater standards. The objective of the CWA is to restore and maintain the chemical, physical, and biological integrity of the nation's waters by preventing point and nonpoint pollution sources, providing assistance to publicly owned treatment works for the improvement of wastewater treatment and maintaining the integrity of wetlands.

3.17.1.1.2 National Pollutant Discharge Elimination System Permit Program

The National Pollutant Discharge Elimination System (NPDES) permit program was established in the CWA to regulate municipal and industrial discharges to surface waters of the United States. Federal NPDES permit regulations have been established for broad categories of discharges, including point source municipal waste discharges and nonpoint-source stormwater runoff. NPDES also requires permits for discharges from construction activities that disturb one or more acres, and discharges from smaller sites that are part of a larger common plan of development or sale. NPDES permits generally identify effluent and receiving water limits on allowable connections and/or mass emissions of pollutants contained in the discharge; prohibitions on discharges not specifically allowed under the permit; and provisions that describe required actions by the discharger, including

industrial pretreatment, pollution prevention, self-monitoring, and other activities. Wastewater discharge is regulated under the NPDES permit program for direct discharges into receiving waters for indirect discharges to a sewage treatment plant. In May 2022, the SF RWQCB issued the Municipal Regional Stormwater NPDES Permit (Order No. R2-2022-0018; NPDES Permit No. CAS612008) to regulate stormwater discharges from municipalities and local agencies in Alameda, Contra Costa, San Mateo and Santa Clara counties, and the cities of Fairfield, Suisun City, and Vallejo.

3.17.1.1.3 Resource Conservation and Recovery Act (RCRA)

The Resource Conservation and Recovery Act (RCRA, 42 USC §6901 et seq.) was enacted in 1976 to address potential health and environmental issues associated with solid hazardous and non-hazardous waste disposal. Under RCRA, EPA regulates the generation, transportation, treatment, storage, and disposal of hazardous waste. Under RCRA, individual states may implement their own hazardous waste management programs, as long as they are consistent with and at least as stringent as RCRA. EPA must approve state programs intended to implement RCRA requirements.

3.17.1.2 State Regulations

3.17.1.1.4 California Water Code

The Porter-Cologne Water Quality Control Act (Porter-Cologne Act, California Water Code Division 7, §13000-16104) is the principal law governing water quality regulation in California. It establishes a comprehensive program to protect water quality and the beneficial uses of water. The Porter-Cologne Act applies to surface waters, wetlands, groundwater and to both point and nonpoint sources of pollution. The State Water Resources Control Board (SWRCB) and Regional Water Quality Control Boards (RWQCBs) have the authority to regulate water quality in accordance with Section 401 of the CWA and the Porter -Cologne Act.

3.17.1.1.5 Water Conservation Act of 2009 (SB X7-7)

The Water Conservation Act of 2009 requires all water suppliers to increase water use efficiency. The legislation sets an overall goal of reducing per capita water use by 20 percent by 2020, with an interim goal of a 10 percent reduction in per capita water use by 2015 (DWR 2021). Effective 2016, urban retail water suppliers who do not meet the water conservation requirements established by this bill are not eligible for state water grants or loans. Senate Bill (SB) X7-7 requires that urban water retail suppliers determine baseline water use and set reduction targets according to specified standards. It also requires agricultural water suppliers to prepare plans and implement efficient water management practices.

3.17.1.1.6 California Urban Water Management Act

Through the Urban Water Management Planning Act of 1983, the California Water Code requires all urban water suppliers within California to prepare and adopt an Urban Water Management Plan (UWMP) and update it every 5 years. The California Department of Water Resources (DWR) oversees compliance with the statewide UWMPs. This requirement applies to all suppliers providing

water to more than 3,000 customers or supplying more than 3,000 acre-feet per year (AF/yr)³³ of water. The Act is intended to support conservation and efficient use of urban water supplies. The Act requires that total project water use be compared to water supply sources over the next 20 years in 5-year increments, that planning occur for single and multiple dry water years, and that plans include a water recycling analysis that incorporates a description of the wastewater collection and treatment system within the agency's service area along with current and potential recycled water uses. In September 2014, the Act was amended by SB 1420 to require urban water suppliers to provide descriptions of their water demand management measures and similar information (DWR 2021b).

3.17.1.1.7 California Integrated Waste Management Act (Assembly Bill [AB] 939 and AB 341)

The California Integrated Waste Management Act (California Public Resources Code Sections 40050-40063), enacted in 1989, established an integrated waste management planning hierarchy that would provide guidance to a governing board on solid waste source reduction, recycling and composting, and environmentally safe transformation and land disposal.

- **AB 939:** AB 939 requires cities and counties to prepare solid waste management plans and adopt source reduction and recycling elements (SRREs) to implement goals included in AB 939. These goals include diverting approximately 50 percent of solid waste from landfills and identifying programs to stimulate local recycling in manufacturing and the purchase of recycled products.
- **AB 341:** Enacted in 2011, AB 341 establishes a policy goal that California's solid waste generated be reduced, recycled, or composted be reduced by at least 75 percent by the year 2020. The bill also requires that a business, defined to include a commercial or public entity that generates more than 4 cubic yards (CY) of commercial solid waste per week arrange for recycling services, on and after July 1, 2012. On and after July 1, 2012, jurisdictions are required to implement a commercial solid waste recycling program or revise their SRRE to meet this requirement.

3.17.1.1.8 Groundwater Management Act (1992) and the Sustainable Groundwater Management Act of 2014

The Groundwater Management Act of the California Water Code (AB 3030), signed into law on September 26, 1992 and effective on January 1, 1993, provides guidance for applicable local agencies to develop voluntary Groundwater Management Plans (GMP) in state-designated groundwater basins. The GMPs can allow agencies to raise revenue to pay for measures influencing the management of the basin, including extraction, recharge, conveyance, facilities' maintenance, and water quality (DWR 2021).

The Sustainable Groundwater Management Act of 2014 (SGMA) consists of three legislative bills: SB 1168, AB 1739 and SB 1319. The legislation, which was updated in 2019, provides a framework

³³ An acre-foot is the amount of water required to cover 1 acre of ground (43,560 square feet) to a depth of 1 foot. One acre-foot is equivalent to 325,581 gallons.

groundwater management across the state by providing benchmarks sustaining long-term reliability and multiple benefits for current and future beneficial uses.

The DWR plays a key role in providing the framework for sustainable groundwater management in accordance with the statutory requirements of SGMA and other provisions within the California Water Code. Other state agencies, including the SWRCB and California Department of Fish and Wildlife (CDFW), play a role in SGMA implementation and are required to consider SGMA when adopting policies, regulations or criteria, or when issuing orders or determinations, where applicable.

3.17.1.1.9 Department of Resources Recycling and Recovery (CalRecycle)

CalRecycle is a department within the California Environmental Protection Agency (CalEPA) that administers programs formerly managed by the California Integrated Waste Management Board and Division of Recycling. CalRecycle is the state department charged with the primary responsibility for permitting of solid waste facilities. CalRecycle operates through its designated Local Enforcement Agencies (LEAs), which typically are county health departments. Air pollution from solid waste facilities is regulated by local air pollution control districts or air quality management districts, while water pollution is regulated by regional water boards. CalRecycle is authorized to oversee the state's recycling and waste management programs under AB 939 and AB 341.

3.17.1.3 Local Regulations

3.17.1.1.10 City of Pittsburg Urban Water Management Plan 2020

The City's 2020 UWMP published in 2021 was prepared in coordination with the state DWR in accordance with California Water Code Requirements. The purpose of the UWMP is to review and maintain the reliability of urban water supplies, ensure that future beneficial use can be complemented by sufficient water supply, continue to promote policies and programs that benefit water conservation, and provide a means for response during water supply shortages and drought conditions.

3.17.1.1.11 City of Pittsburg General Plan (2020)

The Public Facilities Element of the updated Pittsburg General Plan contains the following goals and policies that are relevant to the proposed Project:

- | | |
|---------------|---|
| Goal 11-G-1 | Available water supply and distribution capacity should grow proportionally with development patterns and water usage trends. Update City's Water Master Plan to implement General Plan growth projections. |
| Goal 11-G-2 | Continue to implement water conservation policies to ensure adequate supplies of water in the future. |
| Policy 11-P-1 | Continue using the Urban Water Management Plan as the mechanism for detailed water supply planning, implementation, and conservation. |

- Policy 11-P-2 Implement, as needed, replacements and/or expansions to the existing system of water mains through the City’s Capital Improvement Program
- Policy 11-P-3 Continue water district and user conservation efforts to help reduce demand in light of recent Contra Costa Water District raw water reductions
- Policy 11-P-4 Work with Contra Costa Water District to develop a program ensuring adequate provision of raw water supplies during potential emergency water demands.
- Policy 11-P-5 Work with Contra Costa Water District in planning the development of new pressure zones as needed to ensure adequate fire flows in hillside areas.
- Policy 11-P-6 Continue water conservation efforts from industrial facilities.
- Policy 11-P-7 Ensure that new residential, commercial, and industrial development equitably shares costs associated with providing water services to areas of urban expansion within the Planning Area.
- Policy 11-P-10 Cooperate with federal agencies to ensure that new development requiring inclusion in the Contra Costa Water District Central Valley Project contract service area addresses all requirements of federal statutes and regulations, including the National Environmental Policy Act and Endangered Species Act. Encourage project developers to provide all required information for consultation purposes, if necessary, under Endangered Species Act Sections 7 or 10, or a Habitat Conservation Plan
- Goal 11-G-4 Maintain environmentally appropriate wastewater management practices
- Goal 11-G-5 Reduce rainfall-dependent infiltration and inflow, in order to maintain capacity of existing collection system, and prevent Sanitary Sewer Overflows.
- Policy 11-P-17 Require that all wastewater dischargers within the City conform to the ordinances of the Delta Diablo Sanitation District.
- Policy 11-P-18 Ensure that new residential, commercial, and industrial development equitably share costs associated with providing wastewater services to areas of urban expansion within the Planning Area.
- Goal 11-G-6 Continue reduction and recycling efforts within the City to divert increasingly larger portions of the waste stream from local landfills.
- Goal 11-G-7 Manage solid waste so that State diversion goals are met.

- Policy 11-P-19 Support the implementation of program tasks within the Source Reduction and Recycling Element.
- Policy 11-P-21 Promote the importance of recycling industrial and construction wastes.
- Policy 11-P-23 Encourage builders to incorporate interior and exterior storage areas for recyclables into new or remodeled residential, commercial, and industrial structures
- Policy 11-P-33 As a condition of approval, ensure that utility lines are undergrounded on all new and redevelopment projects both on and adjacent to the project development site.

3.17.2 Existing Conditions

3.17.2.1 Water System Overview

The City's water service area reflects a total area of approximately 15.6 square miles. The distribution system includes over 256 miles of water pipeline, 20,000 water meters and service lines, and serves 72,000 residential and commercial customers. A map of Pittsburg's water service system is shown on Figure 3.17-1.

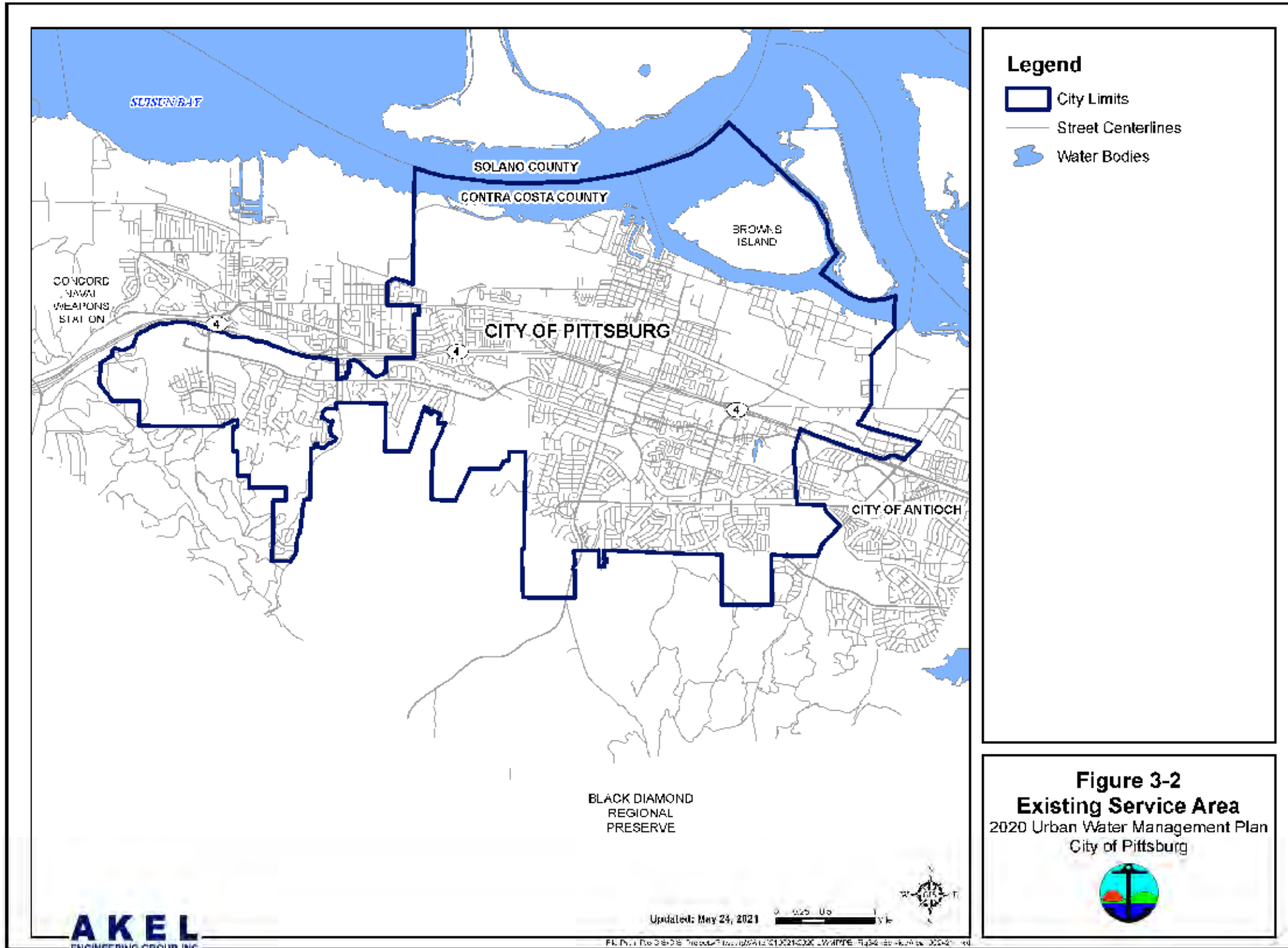
3.17.1.1.12 Water Supply

The City's potable water supply is composed of two sources, both of which are treated at the Water Treatment Plant (WTP). These sources include surface water deliveries supplied by the Contra Costa Water District (CCWD), which makes up the vast majority of the City's water supply. The City also operates two groundwater wells provided by the CCWD which act as an additional source of water supply. The two wells yield approximately 1,500 AF/yr of water, or approximately 10 percent of the City's water supply (City of Pittsburg 2023a).

The CCWD sells untreated water to the cities of Antioch, Martinez, and Pittsburg and to industrial and irrigation customers. CCWD pumps water from four intakes in the Sacramento-San Joaquin Delta. The intakes are located at Rock Slough, on Old River, on Victoria Canal and at Mallard Slough. The district's main water conveyance system is the 48-mile Contra Costa Canal, which starts at Rock Slough and ends at the Martinez Reservoir.

Pittsburg provides potable water to residential, commercial, industrial, and institutional customers within the City limits. CCWD maintains intakes in the Delta as a source of its surface water supply; however, the quality of freshwater in the Delta is dependent on the operation of existing Central Valley Project/State Water Project storage reservoirs. Groundwater and surface water from CCWD are blended at the City's water treatment plant and treated before being delivered to customers. In 2020, the City delivered approximately 9,232 AF/yr of potable water (City of Pittsburg 2021).

Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet, Map Rotation: 0
 - Saved By: SRAY on 7/16/2024, 10:42:48 AM, File Path: V:\H-Cycle\056412_Pittsburg_Hydrogen\Project\A-APPX\Renewable Hydrogen Project EIR.aprx, Layout Name: Utilities Service Map



AKEL
ENGINEERING GROUP, INC.

Updated: May 24, 2021

0 0.25 0.5 1 Miles



Legend






-  City Limits
-  Street Centerlines
-  Water Bodies

Figure 3-2
Existing Service Area
 2020 Urban Water Management Plan
 City of Pittsburg



PROJECT:		H CYCLE PITTSBURG RENEWABLE HYDROGEN PROJECT CONTRA COSTA COUNTY, CALIFORNIA	
TITLE: EXISTING UTILITIES SERVICE AREA			
DRAWN BY:	S. RAY	PROJ. NO.:	506412.0000.0000
CHECKED BY:	R. SPRING	FIGURE 3.17-1	
APPROVED BY:	P. DEMICHELE		
DATE:	JANUARY 2024		
		1850 GATEWAY BLVD, SUITE 1075 CONCORD, CA 94520 PHONE: 925.688.1200	
		FILE: Renewable Hydrogen Project EIR.aprx	

3.17.1.1.13 Groundwater

The project area is underlain by the Pittsburg Plain Groundwater Subbasin (Basin), within the greater San Francisco Bay Basin. Groundwater recharge is derived primarily from streambed percolation and the New York Slough, and the direction of the groundwater gradient is generally north towards New York Slough. The existing and potential beneficial uses for the Basin include municipal and domestic water supply, industrial process water supply, industrial service water supply, and agricultural water supplies.

3.17.1.1.14 Wastewater Treatment

The CCWD coordinates wastewater collection, treatment and disposal with four wastewater agencies that operate within its service area. Water recycling is a component of CCWD's long term sustainable water supply strategy, and CCWD collaborates with local wastewater agencies proposing to provide recycled water for appropriate designated uses.

The City operates its own water treatment plant and associated infrastructure facilities, and operates and maintains a thirty-two million gallon per day water treatment plant, two wells, eight distribution reservoirs and five booster stations. The reservoirs serve four (4) pressure zones and have a total capacity of 17 million gallons. The plant has a hydraulic design capacity of 32 million gallons per day (MGD). This design capacity is sufficient to meet maximum day requirements of 30.5 MDG.

Pittsburg obtains raw water from CCWD, through the Central Valley Project (CVP). The CCWD's current contract for its entire service area is for 195,000 AF/yr or 174 MGD. In addition to its CVP contract, CCWD has negotiated water rights with a number of local districts and private entities, including the East Contra Costa Irrigation District. These agreements bring CCW's total annual supply to 242,700 AF/yr. The Pittsburg treatment plant currently operates at 16 to 18 MGD for water service. All wastewater flows collected within Pittsburg's service area are conveyed to the Delta Diablo WWTP for treatment. The WWTP has a Delta outfall that is used for the disposal of wastewater that is not recycled. The WWTP provides secondary treatment using a series of primary treatment, activated sludge trickling filters, and secondary clarification. The Recycled Water Facility (RWF) provides additional treatment to tertiary levels using a series of flocculating clarification, filtration, and disinfecting. According to the 2020 UWMP, maximum day requirements of 30.5 MGD.

3.17.1.1.15 Water Demand

The City averages 11 million gallons per day of water use with a peak of 17 million gallons in the summer. Actual 2020 demands and future demand projections, summarized in Table 3.17-1. For water supply planning purposes, future demand projections are based on maximum dry-year demands not impacted by drought-related water shortage or economic conditions. Additionally, projected demands consider anticipated water use efficiency and conservation measures which result in reduced demands.

Figure 3.17-2 displays water use compared to population, which shows decreases in water use following droughts in 2007-2010 and 2013-2016 despite a rising population during the time period.

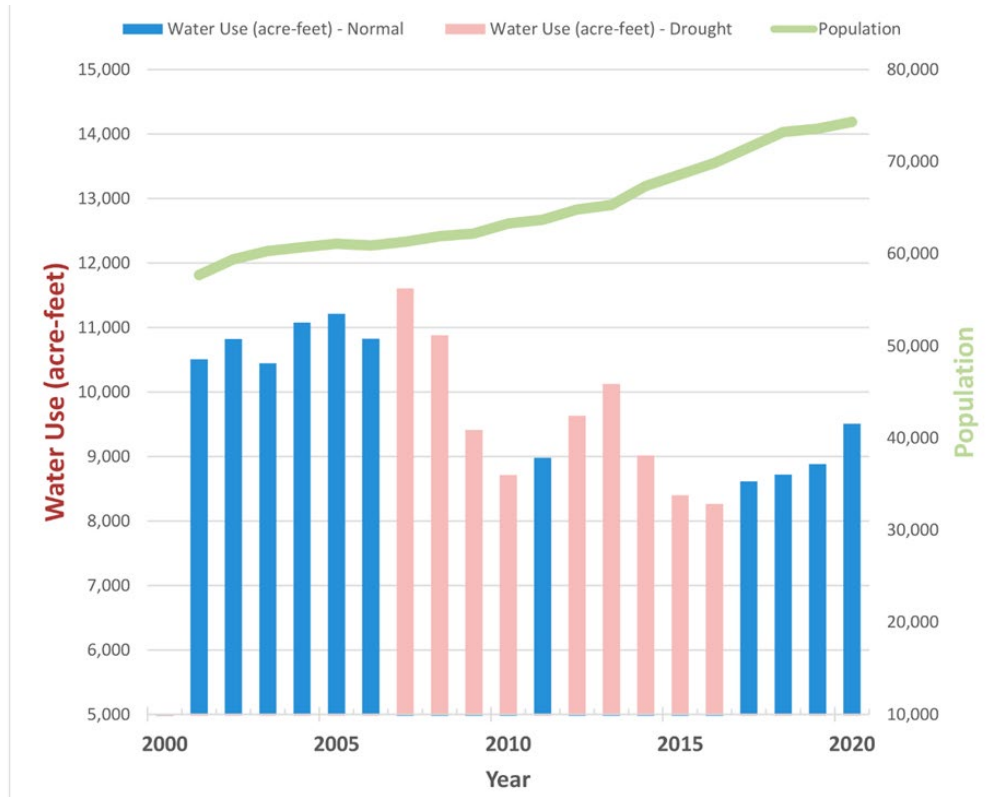


Figure 3.17-2: Historical Water Use and Population

Actual. 2020 Final Urban Water Management Plan

Note: Losses included apparent loss, real losses, unmetered and other miscellaneous non-revenue water.

Source: City of Pittsburg 2021. 2020 UWMP Final

3.17.1.1.16 Historical Water Use

The City currently provides domestic water to residential, commercial, industrial, and institutional customers within the City limits. At the time of preparation of the 2020 UWMP, based on the most recently available data, the City had recorded water delivery service to 18,744 single family residential users, 421 multi-family residential accounts, 745 commercial, institutional, and industrial accounts, and 366 landscape accounts. In 2020, domestic water use totaled approximately 9,232 AF, as summarized in Table 3.17-1.

Table 3.17-1: Demands for Potable and Non-Potable Water – Actual

Use Type	Additional Description	2020 Actual Level of Treatment When Delivered	Volume (AF)
Single Family		Drinking water	4,399
Multi-Family			1,184
Commercial			479
Industrial			889
Institutional/Governmental			152
Landscape			915
Other	Hydrant meter		23
Losses	Non-revenue water		1,192
Total			9,232

Source: City of Pittsburgh 2021. Table 4-1: Demands for Potable and Non-Potable Water – 2020 UWMP Final

3.17.1.1.17 Projected Water Use

Table 3.17-2 summarizes the City’s potable water demand projection through the year 2045. To calculate the projected potable water demand through the UWMP planning horizon of 2045, a per capita water use of 120 gallons per day per capita (gpdc) was applied to the projected population. This per capita water use is less than the City’s 2020 water use target and accounts for the effect of ongoing water conservation as well as active and passive water savings.

Table 3.17-2: Use for Potable and Non-Potable Water-- Projected

Use Type	Additional Description	Projected Water Use				
		2025	2030	2035	2040	2045
		(AF)	(AF)	(AF)	(AF)	(AF)
Single Family		5,256	5,732	6,175	6,587	7,026
Multi-Family		1,415	1,543	1,662	1,773	1,891
Commercial		572	624	672	717	765
Industrial		1,062	1,158	1,248	1,331	1,420
Institutional/ Governmental		181	198	213	227	242
Landscape		1,093	1,192	1,284	1,370	1,461
Other	Hydrant meters	28	30	33	35	37
Losses	Non-revenue water	1,424	1,553	1,673	1,784	1,903
Total		11,031	12,030	12,960	13,824	14,745

Source: City of Pittsburgh 2021. Table 4-2: Use for Potable and Non-Potable Water-- Projected. 2020 UWMP Final
Note: Losses included apparent loss, real losses, unmetered and other miscellaneous non-revenue water.

3.17.1.1.18 Maximum Day Demand

Maximum Day Demand is a significant demand condition on the water supply system. This condition is defined as the maximum 24-hour use period in the year. Peaking factors are commonly used as a way of simulating the maximum day demand for future demand scenarios. This multiplier is assessed to the average day demand, and is commonly in the order of 2 to 2.5 times greater than the average day demand.³⁴

3.17.1.1.19 Distribution System Water Losses

As part of the 2020 UWMP update, urban water suppliers are required to quantify the previous five years distribution system water losses in a manner consistent with the American Water Works Association (AWWA) water system balance methodology. The City has completed the required water loss audit worksheet in accordance with the DWR guidelines and the projected losses from 2017 to 2020 are summarized in Table 3.17-3. The City-wide distribution system losses identified using the AWWA water system balance methodology for the 2020 UWMP were determined to be 946 AF/yr.

Table 3.17-3: Last Five Years of Water Loss Audit Reporting

Reporting Period Start Date	Volume of Water Loss (1) ² (AF)
July 2015 ¹	671
July 2016	568
July 2017	616
July 2018	745
July 2019	946

*July 2015 reporting period water loss estimated based on recent water loss audits.
Note (1)² Water losses reported in Table 4-4 include apparent loss, real losses, unmetered and other miscellaneous non-revenue water.*

3.17.2.2 Regional Water Sources

3.17.1.1.20 Los Vaqueros Reservoir

CCWD obtained additional water rights for surplus Delta flows as part of the Los Vaqueros Project. Up to 95,980 acre-feet may be diverted for storage in Los Vaqueros Reservoir from November 1 of each year to June 30 of the succeeding year under Water Rights Permit No. 20749. The Los Vaqueros Water Rights supply can be used in lieu of the CVP supply. When Los Vaqueros Water Rights water is used, CVP supplies are reduced by an equivalent amount. Combined deliveries of Los Vaqueros Water Rights water and CVP water are limited to 195,000 A/FY. Little or no Los Vaqueros Water Rights water is available for diversion to storage in dry years.

³⁴ Water System Master Plan is currently being updated and the City does not anticipate maximum day peaking factor will change as a result of the update

3.17.1.1.21 East Contra Costa Irrigation District

CCWD entered into an agreement with the East Contra Costa Irrigation District (ECCID) in 2000 to purchase surplus irrigation water for M&I purposes in ECCID's service area. Only a portion of ECCID is within the existing CCWD service area (estimated current demand of 6,000 AF/yr). The current ECCID agreement allows CCWD to purchase up to 8,200 AF/yr for service in the areas common to both districts. The agreement also includes an option for up to 4,000 AF/yr of groundwater (by exchange) when the CVP is in a shortage situation. The groundwater exchange water was utilized during the 2007–2009 drought, and the 2013–2015 drought. This exchange water can be used anywhere within CCWD's service area. Water delivered by CCWD to the city of Brentwood is purchased by the City from ECCID under a separate contract.

3.17.1.1.22 Bay Area Regional Reliability

The CCWD together with seven other Bay Area water agencies, including Alameda County Water District (ACWD), Bay Area Water Supply and Conservation Agency (BAWSCA), East Bay Municipal Utility District (EBMUD), Marin Municipal Water District (MMWD), San Francisco Public Utility District (SFPUC), Valley Water, and Zone 7, are participating in the Bay Area Regional Reliability (BARR) partnership to improve water supply reliability in the Bay Area. Benefits of a regional approach include leveraging existing infrastructure investments, facilitating the transfer of water during shortages, bolstering emergency preparedness, and improving climate change resiliency. The BARR partners are currently working on the Shared Water Access Program to develop a guide for sharing resources among the BARR agencies to improve regional resilience and reliability. As part of the BARR Shared Water Access Program, CCWD and Valley Water, which are both CVP contractors, are seeking to implement an exchange wherein CCWD makes available to Valley Water up to 5,000 AF of CCWD's CVP allocation in 2021, in exchange for Valley Water returning the same amount of water to CCWD in a later year. This pilot project will both provide valuable water supply to Valley Water during a critically dry year as well as identify institutional and regulatory considerations relevant to future transfers or exchanges between

3.17.2.3 Supplemental Water Supply

3.17.1.1.23 Recycled Water Projects

The CCWD continues to evaluate an Industrial Recycled Water Project to serve up to 3,400 AF/yr to major industrial customers, either in coordination with an exchange with Valley Water or separately. This amount could increase depending on costs, water quality, and reliability considerations. Additionally, as previously noted, approximately half the water demand for the redevelopment at the Concord Naval Weapons Station is to be met with recycled water. The timing and scope of these recycled water projects would depend on the overall water use within CCWD's service area and timing of redevelopment. The UWMP estimates these projects, along with other minor increases in recycled water use, would provide an additional 23,610 AF/yr of supply.

3.17.1.1.24 Long-Term Water Use Efficiency Measures

CCWD would continue to implement enhanced conservation to maintain the per capita water use required by SB X7-7 as well as future water use efficiency targets into the future. Taking into consideration the most cost-effective implementation strategies, the CCWD would add an additional 8,800 AF/yr generated by long-term projects by the year 2060.

3.17.2.4 Solid Waste

The Central Contra Costa Solid Waste Authority is a joint powers authority that franchises solid waste and recycling collection services in Lafayette, Moraga, Orinda, Walnut Creek, and surrounding unincorporated communities. Operating landfills in Contra Costa County (County) include the Acme Landfill near Martinez, which is restricted to receiving construction and demolition wastes and yard debris; Keller Canyon Landfill near Pittsburg; and West Contra Costa Sanitary Landfill in Richmond.

Contra Costa County has one Class II landfill, the Keller Canyon Landfill, which has a maximum permitted daily disposal of 3,500 tons per day with a remaining capacity of 63,408,410 tons and an anticipated closure date of December 31, 2050. The West Contra Costa Sanitary Landfill is closed. The landfill was permitted to receive 51,000 tons of waste per day, with a remaining capacity of 1,300,000 tons, ceased operations in Other landfills in the Bay Area include the Altamont Landfill in Alameda County, Forward Landfill in San Joaquin County; Potrero Hills Landfill in Solano County, and the Vasco Road Landfill in Alameda County.

3.17.1.1.25 Nonhazardous and Recyclable Waste

Alco Iron and Metal Company is located in San Leandro, California, is a major purchaser and supplier of ferrous and non-ferrous scrap material. They provide demolition, removal, hauling and recycling services for water and power. They have five locations totaling 41 acres.

Table 3.17-4: Estimated Remaining Capacity and Site Life for Contra Costa County Landfills

Landfill	Maximum Permitted Capacity (cubic yards)	Remaining Capacity (cubic yards)	Maximum Permitted TPD	Estimated Year of Closure	Classification
Keller Canyon Landfill	75,018,280	63,408,410	3,500	2050	Industrial Landfill
Acme Landfill	6,195,000	506,590	1,500	July 2021	Solid Waste Class III Landfill
West Contra Costa Sanitary Landfill (WCCSL)	51,000 tons/day	--	196	Closed	Large Volume Transfer/Processing
Potrero Hills Landfill	83,100,000	13,872,000	4,330	2048	Solid Waste

Source: Cal Recycle Solid Waste Information System (SWIS) database. <https://www2.calrecycle.ca.gov/SolidWaste/Site/Search> Website accessed November 17, 2023

3.17.2.5 Other Utilities

Other utilities that are currently would be provided to existing facilities and customers surrounding the project area include but are not limited to: telephone service by AT&T, Verizon, or Comcast Infinity; and gas and electrical service by Pacific Gas and Electric (PG&E); and electrical service by Pittsburg Power Company (PPC) and Marin Clean Energy (MCE). Proposed buildings would be constructed to Cal Green Building Code standards.

3.17.2 Impact Analysis

3.17.2.6 Methodology

For this analysis, direct impacts are defined as primary effects that occur as a result of project construction and operation. This section also addresses the proposed Project's compliance with federal, state, and local laws. HC (Contra Costa), LLC's (Applicant's) new operating permit may require amendments and/or administrative modifications that may result in direct or indirect changes to existing water, sewer, gas, electric, and telecommunications services. Reasonably foreseeable changes to utility infrastructure that may occur that would also affect utility services.

3.17.3 Significance Criteria

For the purposes of this analysis, the proposed Project is could have a significant impact on utilities and service systems if it would:

- a. require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects;
- b. have insufficient water supplies available to serve the proposed Project and reasonably foreseeable future development during normal, dry, and multiple dry years;
- c. result in a determination by the wastewater treatment provider, which serves or may serve the proposed Project that it has adequate capacity to serve the proposed Project's projected demand in addition to the provider's existing commitments;
- d. generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals; or
- e. be out of compliance with federal, state, and local statutes and regulations related to solid waste.

3.17.4 Impacts and Mitigation Measures

3.17.2.1 Impact Determination

- a. **Would the proposed Project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects? (UTIL-1)**

3.17.2.1.1 Water Service

No. It is assumed that water demand would be approximately 1.65 gallons per day (GPD) per employee 150 to 225 temporary on-site skilled union workers. Therefore, proposed project construction would result in a demand of approximately 371 GPD. This is a very small increase in water demand compared to the City's 11 MGD average daily consumption of domestic water.

Proposed Project operations would require an interconnection for water supply via Contra Costa Canal, as managed by the CCWD. The canal supplies non-potable water which would be used for waste conversion and feedstock preparation described above. Under normal operations the facility would require up to 350 gallons per minute (gpm) for operations and produce two different wastewater streams. Most of the facility's water needs may be supplied from recycled or reclaimed water sources, which are currently being evaluated, or directly from the CCWD or the City.

The City's planned water supply to residential and commercial customers would not be affected, because the proposed Project would rely mostly on non-potable water from the Contra Costa Canal. The proposed Project would be required to demonstrate that sufficient water supplies would be available and that no new entitlements would be required during the City's use permit process. Development at the project site was previously anticipated in the 2001 General Plan, which did not require any new or expanded water entitlements beyond those already planned. Additionally, the City is undertaking projects to ensure future water supplies. The City would have a sufficient water supply to support construction and ongoing operations of the proposed Project is not anticipated to require new or expanded entitlements for water supplies.

3.17.2.1.2 Wastewater Treatment

No. As described in Chapter 2, Project Description, additional units would interact with various stages of the process, including a lean gas boiler, an oxygen supply source (either via an on-site oxygen plant using Vacuum Pressure Swing Absorber [VPSA] technology or interconnection to an existing oxygen pipeline), a wastewater treatment unit, a flare, and a back-up generator. Excess heat would be recovered in the cooling and quenching step of the waste conversion unit and used to generate steam and dry the waste feedstock; the lean gas boiler would supplement this recovered heat.

The facility would produce two different wastewater streams: process wastewater and cooling tower blowdown. The process wastewater stream would be treated and mixed with the cooling tower blowdown stream to meet appropriate discharge limits, then the combined estimated volume of to 130 gpm would be collected and sent to the Delta Diablo Wastewater Treatment Plant (WWTP) for additional treatment and disposal.

Process wastewater would be treated on site and treated to meet appropriate discharge limits for transfer to the Delta Diablo WWTP. The proposed Project facility maximum discharge to sewer is approximately 130 gpm, or 187,000 GPD. The facility is producing a small amount of wastewater (0.58 percent) of Delta Diablo treatment facility, which has the capacity to process up to 32 MGD.

Wastewater from the proposed Project would be treated at the proposed wastewater treatment plant to meet appropriate discharge limits, then sent to the Delta Diablo WWTP for disposal. Interconnection of the proposed Project to the Delta Diablo system for wastewater sewer would further reduce impacts from wastewater discharges.

3.17.2.1.3 Stormwater Management

No. No new stormwater management infrastructure would be necessary for project operations. Stormwater and surface runoff generated on the project site would be contained and treated within the facility's wastewater treatment plant and managed under the existing Corteva NPDES permit. Project construction would be required to comply with existing permit regulations and waste discharge requirements, including the Construction Storm Water General Permit. Project construction activities are not expected to result in the addition of impervious surfaces that would substantially alter existing drainage patterns; as such, operations of the proposed Project would not be expected to increase the current volume of stormwater runoff. The potential impacts to stormwater management from the proposed project construction and operations are anticipated to be less than significant.

3.17.2.1.4 Electric and Gas Facilities

No. As detailed in the project description, the proposed Project will require electricity and natural gas for the conversion of waste to hydrogen gas, the project site is not energy self-sufficient and will require energy.

Power from Pacific Gas and Electric (PG&E) would likely be used to provide electricity and natural gas for plant needs, on-site lighting, and other small power needs. The proposed Project would likely access PG&E electrical service via a new interconnection to an existing transmission line nearby the project site. It is anticipated that up to 15 MW of power will be required, while average facility electrical usage will average 11 to 12 MW, which is lower than average use.

Natural gas from PG&E would be used to generate heat for various units in the process. Fuel gas would be used to generate heat, to the extent feasible, thereby reducing natural gas usage. PG&E would provide natural gas service via a new interconnection to an existing pipeline nearby the project site. It is estimated that proposed project operations would consume approximately 403,052 MMBTU of natural gas on an annual basis.

To operate the proposed Project, the Applicant would purchase electricity from PG&E or from other electricity providers with experience serving facilities and customers around the project area.

However, the proposed Project would require significantly less purchased electricity³⁵ than the alternative method of producing renewable hydrogen (which is water electrolysis).

Significance Level: Less than Significant. No mitigation is required.

b. Would the proposed Project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years? (UTIL-2)

Yes. As discussed in Impact UTIL-1 above, the proposed Project could require up to 350 gpm for operations that would be supplied from recycled or reclaimed water sources, or directly from the CCWD or the City. The proposed Project does not include the installation of any groundwater extraction wells for water supply purposes.

While the City's current groundwater supply is generally considered reliable during various normal and dry water years, changes in local hydrology could affect the current natural recharge rates. This change could result in a reduction of the amount of groundwater that could be pumped sustainably. Recharge projects and participation in regional groundwater management planning efforts will help to reduce the effect of climate change on groundwater supplies.

The proposed Project would not rely on groundwater wells requiring significant groundwater extraction from an aquifer or groundwater table. Additionally, construction and operation of the proposed Project would not substantially decrease groundwater resources nor interfere with groundwater recharge. The proposed use of recycled or reclaimed water for project operations would not increase the burden on either surface water supplies and groundwater supplies within the Bay-Delta system and the Pittsburg Plain aquifer system, respectively. Overall, the proposed Project construction and operations activities would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan, and the proposed Project would have less than significant impact on groundwater supplies or interference with groundwater recharge.

Significance Level: Less than Significant. No mitigation is required.

c. Would the proposed Project result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? (UTIL-3)

Yes. Certain new units would be installed, including engineered municipal solid waste feedstock and wastewater treatment equipment. The pretreatment equipment would produce wastewater streams requiring partial pretreatment at the project site prior to treatment at Delta Diablo WWTP. Project construction activities would consist of specialized wastewater treatment equipment to reduce biological oxygen demand in the waste stream. All pretreated wastewater would be transferred to Delta Diablo WWTP.

As discussed under impact UTIL-1 above, the facility's combined wastewater streams would produce an estimated volume of up to 130 gpm. Process wastewater would be treated on site and treated to

³⁵ Water electrolysis facilities consume 50-55 kWh to produce 1 kg of hydrogen. The Project would consume 15-20 kWh to produce 1 kg of hydrogen, which represents at least a 60% reduction in electricity usage.

meet appropriate discharge limits for transfer to the Delta Diablo WWTP. The facility is producing a small amount of wastewater (0.58 percent) of Delta Diablo treatment facility, which has the capacity to process up to 32 MGD. Wastewater generated from the proposed project facility would be treated on site and would have no impact on any public wastewater treatment provider. Facility operations are not expected to generate additional untreated wastewater flow discharged to the environment. Since the City's wastewater infrastructure has adequate capacity to accommodate project construction and operation activities in addition to existing commitments, project-related impacts on water and wastewater facilities and services would be less than significant.

Significance Level: Less than Significant. No mitigation is required.

d. Would the proposed Project generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? (UTIL-4)

No. Project construction would employ 150 to 225 temporary on-site skilled union workers. Assuming a solid waste generation of 0.6 pounds per person per day (CCC GP 2020), the construction phase of the proposed Project would result in approximately 73,980 pounds, or 85 CY, of solid waste over the course of 18 months. When practicable, recyclable construction material would be transported to an approved recycling facility; any types of proposed Project waste materials that are routinely recycled would be recycled in an appropriate fashion at an approved facility. Construction waste that cannot be recycled would ultimately be disposed of at an approved disposal facility. Construction waste would be disposed of properly and in accordance with all applicable federal, state, and local laws regarding solid and hazardous waste including, but not limited to, the California Integrated Waste Management Act of 1989 which set reduction rates for the amount of solid waste sent to landfills.

Facility operations would require approximately 30 full-time employees generating 6,570 pounds of solid waste per year. Feedstock processing would produce approximately 20,000 tons of waste per year in the form of non-hazardous vitrified slag byproduct. The solid slag could potentially be repurposed for beneficial use as a roadbed or concrete aggregate, or alternatively, the slag byproduct could be disposed in a landfill. Feedstock production has the capacity to accept up to 160,000 wet tons of waste per year. The proposed Project would not generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals. Any waste generated by proposed project activities would be disposed of at an approved facility with sufficient capacity. The Keller Canyon Landfill has a remaining capacity of approximately 63 million CY and is expected to remain in operation until at least December 2050 (CalRecycle SWIS, 2023).

The proposed Project would result in increases in throughput, production, and employment in the area, which in turn would be anticipated to result in generation of a higher volume of solid waste as compared to no project. However, area landfills have the capacity to accommodate solid waste generated by the proposed renewable hydrogen production facility. The facility's waste-to-hydrogen processing plant would further divert solid waste by using waste residuals as feedstock for conversion into a renewable fuel source. The proposed Project would be served by landfills with sufficient permitted capacity to accommodate anticipated solid waste disposal needs. Therefore, impacts related to solid waste would be less than significant.

Significance Level: Less than Significant. No mitigation is required.

e. Would the proposed Project comply with federal, state, and local management and reduction statutes and regulations related to solid waste? (UTIL-5)

Yes. Solid waste is expected to be generated during construction activities. Construction and demolition wastes would include materials such as asphalt, concrete, metals, and other site preparation materials. During operations of the renewable hydrogen production facility, metallic and other inert components in the waste are removed as a non-hazardous vitrified slag byproduct.

All waste would be disposed of in accordance with established procedures and applicable regulatory requirements. It is not expected that project implementation would affect the City's ability to maintain compliance with AB 939 requirements for solid waste diversion and recycling. The proposed Project would not violate any solid waste management and reduction statutes or regulations.

Additionally, the proposed Project would support the diversion of organic waste from landfills, advancing goals listed in City's current plans and policies, such as Goal SW-1.1 Strategy for Organic Waste Diversion in the City of Pittsburg Sustainability Plan (2023). Therefore, project impacts from solid waste generation and disposal would be less than significant.

Significance Level: Less than Significant. No mitigation is required.

3.17.5 References

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3.18 WILDFIRE

This chapter describes existing wildfire conditions and risks and analyzes the potential effects wildfire may have on the H Cycle Pittsburg Renewable Hydrogen Project (Project).

Guidelines and key sources of data used in the preparation of this chapter include the following:

- *City of Pittsburg General Plan 2020*
- Contra Costa County Fire Protection District
- California Department of Forestry and Fire Protection (CAL FIRE) – Fire and Resource Assessment Program
- Weather Atlas for City Pittsburg, CA
- Fire Weather Research Laboratory – San Jose State University
- National Water and Climate Center – Wind Rose data for San Francisco Bay Area

3.18.1 Environmental Setting

3.18.1.1 Regulatory Context

3.18.1.1.1 Federal Regulations

National Fire Plan 2020

The National Fire Plan (NFP) was developed in August 2000, following a landmark wildland fire season, with the intent of actively responding to severe wildland fires and their impacts to communities while ensuring sufficient firefighting capacity for the future. The NFP addresses five key points: Firefighting, Rehabilitation, Hazardous Fuels Reduction, Community Assistance, and Accountability.

3.18.1.1.2 State Regulations

California Fire Code

The purpose of California Code of Regulations Title 24, Part 9, also known as the California Fire Code, is to establish the minimum requirements consistent with nationally recognized good practices to safeguard the public health, safety, and general welfare from the hazards of fire, explosion, or dangerous conditions in new and existing buildings, structures, and premises, and to provide safety and assistance to fire fighters and emergency responders during emergency operations.

Bates Bill (AB337)

In 1993, as a result of the Oakland Hills Fire in which 3,403 homes were lost, 780 in the first hour of the fire, the Bates Bill No. 337 was enacted requiring local jurisdictions to identify and establish Very High Fire Hazard Severity Zones.

Regulations of the Fire Marshal

The purpose of the California Code of Regulations Title 19, also known as Regulations of the Fire Marshal, is to establish minimum standards for the prevention of fire and for the protection of life and property against fire, explosion, and panic. Title 19 also specifies that the National Fire Protection Association (NFPA) standards and the NFPA Fire Protection Handbook may be used as authoritative guides in determining recognized fire prevention engineering practices. The Contra Costa County Fire Protection District (CCCYPD) would also use the NFPA 550 Guide to the Fire Safety Concepts Tree as a reference for mitigating specific fire issues related to the proposed Project. The CCCYPD provides fire protection services within the city of Pittsburg (City).

2018 Strategic Fire Plan

The Board of Forestry and Fire Protection (CABFFP) adopts Strategic Fire Plans under regulatory guidance (California Public Resources Code [PRC] Sections 4114 and 4130). The plan is updated every eight to 10 years, starting with the first plan in the 1930s. The Strategic Fire Plan provides high-level (“...broad, strategic”) guidance to CAL FIRE for the implementation of fire protection services within State Responsibility Areas (SRAs). The 2018 iteration of the Strategic Fire Plan includes updated goals, with emphasis on fire prevention, fire suppression, and natural resource management (CABFFP, 2018).

3.18.1.1.3 Local Regulations

City of Pittsburg General Plan

The Public Facilities Element (Chapter 11) of the *City of Pittsburg General Plan 2020* includes goals and policies for fire protection. The fire protection goals and policies relevant to the proposed Project include:

Fire Protection	
Goal 11-G-8	Require development in areas of high fire hazard to be designed and constructed to minimize potential losses and maximize the ability of fire personnel to suppress fire incidents.
II-P-24	Amend the subdivision regulations to include a requirement for detailed fire prevention and control, including community fire breaks, for projects in high and extreme hazard areas. Areas of high and extreme fire hazard include the Planning Area’s southern hills. Preparation of detailed fire prevention plans will ensure that new development in extreme hazard areas accounts for potential fire hazards and control measures.
II-P-25	Review and amend ordinances that regulate development in potentially hazardous locations to require adequate protection such as fire-resistant roofing, building materials, and landscaping.
II-P-26	Cooperate with CCCYPD to ensure that new or relocated fire stations are constructed on appropriate sites within the 1.5-mile response radii from new or existing development. Further development in the Southern hills may necessitate the construction of a new fire station by 2020. Additional fire protection facilities may be necessary to ensure the safety of residents within urban-rural interface hazard areas.
II-P-27	Cooperate with CCCYPD in obtaining sites to either relocate or establish new fire stations within City limits to provide more efficient response times.

II-P-29	Ensure adequate road widths in new development for fire response trucks, per the subdivision regulations.
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Fire Hazard Areas

The *City of Pittsburg General Plan 2020*, Chapter 11, describes Fire Hazard Areas. While this section of the General Plan references state (CAL FIRE) designations for fire hazard severity zones, it also frames fire hazard areas from a local perspective. For the purposes of this analysis, the descriptions in the General Plan are considered locally designated Fire Hazard Areas. The General Plan designates the areas of highest fire risk as “the hills south of the City.” The City describes the fire threat areas as a combination of dry, open grassland abutting development within the City.

Contra Costa County Fire Code

The Contra Costa County Fire Code adopts the California Fire Code, with approximately 25 pages of amendments. The CCCFPD is governed by the Contra Costa County Fire Code. The Contra Costa County Fire Code includes provisions that apply to the proposed Project, including requirements for sprinkler systems, fire apparatus access, required permits and reviews, and exterior fire hazard control measures.

3.18.1.2 Existing Conditions

3.18.1.2.1 State Designated Fire Hazard Severity Zones

The unincorporated areas south of the project site are designated as High Fire Threat Severity Zones by CAL FIRE.

3.18.1.2.2 Local Fire Hazard Areas

As described above, the City has designated areas of open grassland on the hills south of the City as the highest fire hazard areas for the City (Fire Hazard Areas).

3.18.1.2.3 Fire Protection and Emergency Response

State & Federal Response Areas

As stated above, the project site is located within CCCFPD service areas, making the site a Local Response Area, or LRA. There are no SRAs or Federal Response Areas within 1.5 miles of the project site.

Local Response Areas

The CCCFPD provides fire suppression, paramedic emergency medical services, technical rescue, water rescue, and fire prevention/investigation services within the City. As the project site is wholly located within City limits, the CCCFPD would provide all primary fire and emergency response to the proposed Project.

CCCFPD Fire Station 83, located at 2717 Gentrytown Drive, Antioch, CA 94509, would provide primary response to the proposed Project. Station 83 is located approximately 1.5 miles (2.3 miles via surface roads) from the project site. The response time goal for the CCCFPD is to provide service

within 5 minutes of notification. Generally, service can be provided in this timeframe to areas within 1.5 miles of a fire station. The project site is within the acceptable response area for Station 83. The on-duty CCCFPD fire companies are trained and regularly cross-staff numerous specialty-response units, including wildland firefighting units, which would apply to potential wildfire threats to the proposed project from the Fire Hazard Areas to the south, southwest, and west of the project site.

The CCCFPD maintains a mutual-aid agreement with the East Contra Costa County Fire Protection District, which also responds on an automatic aid basis, and participates in the State of California Disaster and Civil Defense Master Mutual Aid Agreement. These agreements provide the CCCFPD with emergency response assistance on an as-needed basis.

3.18.1.2.4 Project Area Physical and Climate Setting

The following sections describe the key physical environmental factors at the project site and within the greater proposed Study Area, including topography, drainage patterns, wind conditions, rain probability and average precipitation, and fire hazard conditions.

Project Site Topography and Drainage Pattern

The general topography of the Study Area slopes to the north and east. As an idled industrial facility, surface drainage for the project site has been modified to be contained and managed. Further modification to drainage will be improved when the proposed Project is built out. The site elevation for the Study Area is only a few feet above sea level as the developed area is located approximately 1000 feet from New York Slough. The site is essentially flat with no risk of flooding or landslides.

Project Area Precipitation and Rain

The total average yearly rainfall in the Pittsburg area is 13.4 inches (Weather Atlas 2020). The heaviest rainfall occurs during the months of December through March, with January having the highest monthly average precipitation (2.7 inches). The driest months are June through September, with July and August average zero inches of precipitation.

Project Area Wind Patterns

Prevailing winds in the Pittsburg area are from the west, which is consistent with the general wind patterns of the greater San Francisco Bay area, which are from the west-northwest (National Water and Climate Center 2020). Severe wind events in the San Francisco Bay area, called Diablo winds, originate out of the east, and occur with the highest frequency in the October, November, and January months (Fire Weather Research Laboratory 2020).

Project Area and Regional Fire Threat

The most severe fire risk period in Pittsburg (based on general conditions within the greater San Francisco Bay area) is September through November, with October seeing the most severe conditions for any single month. This period represents the highest fire risk due to a combination of high wind events (i.e., Diablo winds) and low live fuel moisture (Fire Weather Research Laboratory 2020). The low fuel moisture results in easy ignition, and the high wind speeds spread wildfires once ignited.

Historic Fires

CAL FIRE maintains historic data for fires within the state, including the area and name. There are nine recorded fires in the vicinity of the project site. Six of these fires were located within the grasslands located south of the City, within CAL FIRE High Severity Fire Hazard zones and City of Pittsburg Fire Hazard Areas. The most recent fire was in 2018 and the oldest fires in the Study Area were from 1958.

3.18.2 Impact Analysis

3.18.2.1 Methodology for Impact Analysis

Potential effects from, or relating to, wildfire are determined by identifying State and/or locally designated fire hazard zones and areas; and the potential for wildfires to adversely affect the construction and/or operation of the proposed Project.

3.18.2.2 Significance Criteria

For the purposes of this analysis, a project impact was considered to be significant and require mitigation if located in or near state responsibility areas or lands classified as very high fire hazard severity zones, if it would:

- a. Substantially impair an adopted emergency response plan or emergency evacuation plan?
- b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?
- c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?
- d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

3.18.2.3 Impacts and Mitigation Measures

3.18.2.3.1 Proposed Project

- a. Would the proposed Project substantially impact an adopted emergency evacuation plan?
(WF-1)

No. The proposed project would not have any impact or changes the operation of the City of Pittsburg *Emergency Operations Plan* (2018).

Significance Level: No impact. No mitigation required.

b. Would the proposed Project due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? (WF-2)

No. Marshy grasslands and overgrown areas are located east of the project site. These areas would be susceptible to wildfire during dry conditions (i.e., low fuel moisture). These direct wildfire impacts would be less-than-significant for the following reasons:

- The proposed Project would have to comply with adopted local fire prevention ordinances and regulations that would reduce risk to the proposed Project;
- The project site is located 1.5 miles from the closest CCCFPD Fire Station (Station 83) which allows for a response time well below the acceptable limit;
- The project site is not located in or near a Very High Fire Hazard Severity Zone or within an SRA; and
- Construction activities would occur in relatively short, intermittent intervals and the probability of a wildfire occurring during construction activities is low.

Significance Level: Less than significant. No mitigation required.

c. Would the proposed Project require the installation of associated infrastructure (such as roads, fuel breaks, emergency water sources, power line or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? (WF-3)

No. The proposed Project would not require the installation of any associated infrastructure beyond the boundaries of the project site, and therefore would not create any new environmental impacts – temporary or permanent – on the environment. As a previously developed site, all utilities are already present that will be adapted to the new facility, including fire suppression water sources.

Significance Level: No impact. No mitigation required.

d. Would the proposed Project expose people or structure to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes? (WF-4)

No. The proposed Project does not significantly alter the slope of the site nor is it located near a slope that could become unstable after a wildfire. The site has been developed in the past and will be redeveloped in such a manner as to remove any potential risk of wildfire or erosion.

Significance Level: No impact. No mitigation required.

3.18.3 References

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In accordance with CEQA (CEQA Guidelines Section 15130 et seq.), an environmental impact report (EIR) is required to analyze the cumulative impacts of a proposed project in conjunction with other developments that affect or could affect the project area. This chapter identifies other related past, present, and future projects near the location of the proposed project site and summarizes potential cumulative impacts.

State CEQA Guidelines Section 15355 requires that an EIR consider the cumulative impacts of a project when the project's incremental effect is cumulatively considerable, as identified in CEQA Guidelines Section 15065, subdivision (c). Where a lead agency is examining a project with an incremental effect that is not "cumulatively considerable," a lead agency need not consider that effect significant but shall briefly describe its basis for concluding that the incremental effect is not cumulatively considerable. As defined in CEQA Guidelines Section 15355, a cumulative impact consists of an impact that is created as a result of the combination of the project evaluated in the EIR, together with other projects causing related impacts. An EIR should not discuss impacts that do not result in part from the project evaluated in the EIR.

CEQA Guidelines Section 15355 defines cumulative impacts as follows:

"Cumulative impacts" refers to two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts.

- a. The individual effects may be changes resulting from a single project or a number of separate projects.
- b. The cumulative impact from several projects is the change in the environment which results from the incremental impact of the project when added to other closely related past, present and reasonably foreseeable future projects. Cumulative impacts can result from individually minor but collectively significant projects taking place over a period of time.

4.1 Approach to the Cumulative Analysis

CEQA Guidelines section 15130 provides that cumulative impacts analysis may be undertaken in one of two ways:

Either: (A) A list of past, present and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency, or (B) A summary of projections contained in an adopted general plan or related planning document, or in a prior environmental document which has been adopted or certified, which described or evaluated regional or areawide conditions contributing to the cumulative impact. Any such planning document shall be referenced and made available to the public at a location specified by the lead agency.

This EIR uses the first approach, that is, using a list of past, present and probable future projects as the basis for the cumulative impact analysis. Probable future projects may include:

- Private projects requiring agency approval for an application that has been received at the time the Notice of Preparation is released, unless a project has been abandoned by the Applicant;
- Public projects for which money has been budgeted or included in an adopted capital improvement program, general plan, regional transportation plan or other similar plan;
- Projects included in a summary of projects in a general plan or similar plan; or
- Projects anticipated as later phases of a previously approved project.

The cumulative effects analysis is required to discuss not only approved projects under construction and approved related projects not yet under construction, but also unapproved projects currently under environmental review with related impacts or which would result in significant cumulative impacts. This analysis should include a discussion of projects under review by the Lead Agency and projects under review by other relevant public agencies.

4.1.1 Content of the Cumulative Effects Discussion

The cumulative impacts discussion herein will include or address the following:

- The nature of each environmental resource being examined (refer to Chapter 3).
- The location of the cumulative project and its type (refer to Chapter 2).
- The geographic scope of the area affected by the cumulative effect.
- A summary of the expected environmental effects to be produced by related projects, with specific reference to additional information stating where that information is available.
- Reasonable, feasible options for mitigating or avoiding the proposed Project's contribution to any significant cumulative effects.

4.1.2 Considerations in Cumulative Effects Analysis

An EIR may determine that a project's contribution to a significant cumulative impact will be mitigated to a less-than-significant level and thus, is not significant.

A project's contribution is less than cumulatively considerable and therefore, less than significant if the project is required to implement or fund its fair share of mitigation measures designed to alleviate the cumulative impact.

An EIR may determine that a project's contribution to a significant cumulative impact is *de minimis* and thus, not significant. A *de minimis* contribution means that the environmental conditions would essentially be the same whether or not the proposed project is implemented.

4.1.3 Significance Criteria

When considering cumulative impacts of the Project, the environmental consequences of project-related actions were evaluated, using the criteria checklist from the CEQA Guidelines, Appendix G, to determine whether implementing such actions would make a cumulatively considerable contribution to a significant cumulative impact.

The effects of project actions were evaluated in combination with the effects of other past, present and reasonably foreseeable future actions to determine whether: 1) the overall cumulative impact would be significant; and 2) the actions would considerably contribute to that overall cumulative impact. Both circumstances must exist to conclude that an environmental consequence would be cumulatively significant.

Cumulatively significant effects would do any of the following:

- Cause a significant adverse impact on a resource by exceeding a threshold of significance;
- Make a considerable contribution to the trend of an already degraded or declining resource that has experienced substantial adverse effects from other past, present or reasonably foreseeable future projects; or
- Cause an effect that was initially not significant by itself, but that would be part of a cumulatively degrading or declining future trend resulting from other reasonably foreseeable future actions.

The potential cumulative impacts that would be significant based on the criteria above may be reduced to a less-than-significant level if the proposed Project would comply with the requirements of an approved plan or mitigation program designed to reduce the proposed Project's potential incremental contribution to a cumulative effect to a level that is not cumulatively considerable. The approved plan or mitigation program must contain specific requirements that, if implemented, would avoid or substantially lessen the cumulative problem within the geographic area where the effect would occur.

4.2 RELATED PROJECTS CONSIDERED IN THE CUMULATIVE IMPACT ANALYSIS

Past, present, and probable future projects considered for the cumulative analysis in this EIR are those identified on lands generally within 2 miles of the project site. Each project considered is listed and briefly described in Table 4-1. Cumulative impacts are analyzed in Section 4.3 for each of the resource areas discussed in this EIR (Sections 3.1 through 3.18).

Table 4-1: Related Projects Considered in The Cumulative Impact Analysis

	Project Name	Location	Description
Past	K2 Pure - Chlorine Rail Transportation Curtailment Project (City of Pittsburg Project No. AP-18-1313)	950 Loveridge Road, Pittsburg	The project involved construction and operation of a new chlorine rail loading facility and associated vapor scrubber, 700-foot connecting pipeline, and dry air supply line. The 12.96-acre project site is within the Corteva facility at K2's existing Chlor-Alkali production facility. The project allowed K2 Pure Solutions (K2) to load liquid chlorine into railcars stored on site for Corteva's use when the K2 facility is offline. Railcars are loaded on site rather than delivered via railcar from Texas. The project did not result in other changes to K2's operations.
	HASA NorCal Project (City of Pittsburg Project No. AP-22-0107)	901 Loveridge Road, Pittsburg	The project involves construction and operation of a sodium hypochlorite (bleach) manufacturing and distribution facility and includes an office building with a laboratory, bleach production plant, tank farm, truck loading rack, and an eight-car parking area. The project site is within the Corteva facility.
Present	Oakstone Northern California Expansion Project (City of Pittsburg Project No. AP-23-0046)	2000 Loveridge Road, Pittsburg	The project involves expansion of an existing 31.55-acre facility to increase the existing production of liquid nitrogen, oxygen, and argon. No additional or new products would be produced. The liquid products are distributed via truck to the Bay Area, the Central Valley, and into nearby states. The products are stored in three large storage tanks, transferred into bulk trucks, and then delivered into smaller tanks at customer locations.
	Penco Ferric Chloride Manufacturing Facility (City of Pittsburg Project No. AP-23-0167)	901 Loveridge Road, Pittsburg	The proposed project would involve construction of an iron salt manufacturing facility on property leased from Corteva. The project site is within the Corteva facility. The iron salts made at the facility would ship to California's water treatment and wastewater treatment plants. Some locations are less than 20 miles from the facility
Future	San Francisco Bay Aggregates (SFBA)/Blue Planet Carbon Capture & Mineralization Facility Pilot Project (City of Pittsburg Project No. AP-19-1412)	895 E. 3rd Street, Pittsburg	The proposed project would temporarily operate a carbon capture and mineralization pilot facility. The facility would operate for up to 15 months and is intended to demonstrate the feasibility of a proprietary technology that combines carbon-dioxide (CO ₂) emissions with recycled concrete to manufacture upcycled rock products.

4.3 CUMULATIVE IMPACTS TO ENVIRONMENTAL RESOURCES

4.3.1 Aesthetics

Past and present development in the project vicinity has changed the once-pristine views of Suisun Bay, Sacramento River Delta, New York Slough, shoreline, and southern hills to an industrial landscape supported by a network of roads and railroads and some open lands. Cumulative development, including projects listed in Table 4-1, could result in impacts to aesthetic resources that could combine with the aesthetic impacts of the proposed Project. Cumulative impacts to aesthetic resources in the project area, however, would not be significant. As discussed in Section 3.1, the proposed Project would not obstruct scenic views, and the project components and changes would not be discernable from a distance. The project vicinity is mostly developed, and consists of industrial development, open lands, and a network of roadways and railroads. The proposed Project would not be discernable from a distance and would not obstruct views of Suisun Bay, Sacramento River Delta, New York Slough, shoreline, and southern hills. The proposed Project would not damage any scenic resources of the natural or built environment and would not result in substantial demonstrable impacts to visual character and quality. Lighting would be directed to the interior of the project site, would not create significant new sources of light and glare that could adversely affect day or nighttime views, and would be consistent with lighting installed on surrounding parcels. Therefore, the proposed Project would result in less-than-significant cumulative impacts to aesthetic resources.

4.3.2 Agriculture and Forestry

Implementation of the proposed Project, in combination with cumulative development projects, is not expected to result in significant impacts to agriculture and forestry resources because these resources are not present within the project area. As discussed in Section 3.2, no agriculture or forestry resources exist at the project site; therefore, the proposed Project would not contribute to any cumulative impact on agriculture or forestry resources.

4.3.3 Air Quality and Greenhouse Gas Emissions

Global climate change is, by nature, a cumulative impact. As defined in Section 15355 of the CEQA Guidelines, “cumulative impacts” refers to two or more individual effects which, when considered together, are considerable, compound, or increase other environmental impacts. The individual effects may be changes resulting from a single project or a number of separate projects. The cumulative impact from several projects is the change in the environment that results from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects.

Emissions of GHG contribute, on a cumulative basis, to the significant adverse environmental impacts of global climate change (e.g., sea level rise, impacts to water supply and water quality, public health impacts, impacts to ecosystems, impacts to agriculture, and other environmental impacts). While GHG emissions from a project in combination with other past, present, and future projects contribute to the world-wide phenomenon of global climate change and the associated environmental impacts, a single project could not generate enough GHG emissions to contribute

noticeably to a change in the global average temperature. Due to the existing regulations within the State, for the purposes of this analysis, the geographic context for the analysis of GHG emissions presented in this EIR is the State of California.

According to the BAAQMD CEQA Air Quality Guidelines, the Air District’s developed thresholds of significance for climate impacts using a “fair share” approach for determining whether an individual project’s GHG emissions would be cumulatively considerable. If a project would contribute its “fair share” of what is needed to achieve the State’s long-term GHG reduction goals, then the lead agency can find that the project is adequately contributing to solving the problem of global climate change and that project’s impact is not significant. Using this approach, the BAAQMD has identified the necessary design elements (see Table 3.3-9 above) required of new land use projects and plans being built today to achieve California’s long-term climate goal of carbon neutrality by 2045. If these design elements are incorporated into the design and construction of a project, then the proposed Project would contribute its portion of what is necessary to achieve California’s long-term climate goals—its “fair share”—and a lead agency reviewing the proposed Project under CEQA can conclude that the proposed Project would not have a significant impact on the environment, or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, or make a cumulatively considerable contribution to global climate change.

4.3.4 Biological Resources

Many past and present projects in the project area may have contributed to the incremental loss of habitat for fish, wildlife, and plants, including special-status species and/or sensitive habitats (e.g., wetlands), thereby resulting in the potential for cumulatively significant impacts on biological resources in the project area.

Special-status plant and wildlife species have potential to occur within the project area. Noise and disruption associated with construction of the proposed Project would have the potential to impact these species. No open waters, wetlands or tidal/brackish marsh habitats occur within the project site; however, these habitats were identified in the project area. Special-status species could be present or migrating through these habitats. These habitats have the potential to be degraded from construction activities such as accidental minor spills, noise, disturbance, and/or introduction of weed species. These impacts would be mitigated through compliance with applicable federal, state, and local regulations, and the implementation of Mitigation Measures BIO-1a, BIO-1b, BIO-1c, BIO-1d, BIO-1e, BIO-1f, BIO-1g, BIO-1h, and BIO-1i. Hence, the proposed project’s contribution to biological resources impacts would not be cumulatively considerable, and these cumulative impacts would be less than significant with mitigation.

4.3.5 Cultural and Tribal Cultural Resources

The proposed Project, combined with past, present and other future projects, would potentially cause a substantial adverse change in the significance of cultural and tribal cultural resources. It is not known whether cumulative projects would also directly or indirectly destroy a unique paleontological resource or site and could disturb human remains, including those interred outside of formal cemeteries. For the purpose of this environmental analysis, this EIR conservatively

assumes that a significant cumulative impact to these resources could occur if proposed development described in Table 4-1 were to require the demolition or substantial adverse change in the significance of a built-environment historic resource, or through the inadvertent discovery of any of the above-described resources during construction of proposed future projects, all of which involve ground-disturbing activities. This would be a cumulatively significant impact.

No previously recorded historical resources have been identified within the project site. The project site is graded and much of the soil has been previously disturbed or is composed of sterile fill. Ground disturbing construction activities (e.g., grading or excavation) have the potential to result in inadvertent discovery of historic or other archeological resources or human remains. If buried historical resources are encountered during construction, disturbance could result in the loss of integrity of cultural deposits, loss of information, and the alteration of a historical site setting. Inadvertent exposure of historic-era archaeological resources in an accessible area could make the resources susceptible to vandalism. These impacts could result in a cumulatively considerable contribution to cumulatively significant impacts. These impacts would be mitigated through implementation of Mitigation Measures CR-1, CR-2, and CR-3. They would reduce the proposed Project's contribution to cumulative impacts related to cultural and tribal cultural resources to a less-than-cumulatively-considerable level, and these cumulative impacts would be less than significant with mitigation.

4.3.6 Energy

The proposed Project would require energy for the hydrogen generation and processing of waste as well as the transport of feedstocks and product. Other projects in the vicinity and in the region, particularly development projects that involve new construction of buildings and residences, would add to existing area and regional demands for energy use for lighting, space conditioning, and resident, customer and employee transportation. Combined with other development, increases in energy demand from the proposed Project could be cumulative. However, regulations applicable to projects in California have been adopted to promote and require energy efficiency. Developers of new construction projects must demonstrate in their building permit applications that the new structures would comply with Energy Efficiency Standards in Title 24 of California Building Code, to ensure that new buildings would not use energy inefficiently. Increasingly stringent emissions standards for vehicles, such as those required pursuant to California Health and Safety Code Sections 42823 and 43018.5, are intended to promote fuel efficiency in transportation. With application of these regulations and Mitigation Measures, cumulative impacts from energy usage of other projects is not anticipated to be significant.

4.3.7 Geology and Soils

Geology impacts are generally site-specific because impacts are dependent on such factors as the underlying soil and geological characteristics of a site. Cumulative development projects would be subject to applicable regulations for grading, drainage, and construction that are similar to those for the proposed Project. These measures would reduce the geologic impacts of cumulative development projects to less-than-significant levels. Construction of the proposed Project would comply with earthwork standards included in the California Building Code which addresses excavation, grading, compaction, drainage excavation, preparation of subgrade, and similar items

related to soil stability. Therefore, the proposed Project would have less-than-significant cumulative impacts on geology or soils.

4.3.8 Mineral Resources

Implementation of the proposed Project, in combination with cumulative development projects, is not expected to result in significant impacts to important mineral resources because these resources are not present within the project area. No known minerals exist at the project site; therefore, the proposed Project would not contribute to any cumulative impact on mineral resources. In addition, project construction materials that would be used are considered widely available in the region and would not result in a loss of locally important mineral resource. The proposed Project would therefore have less-than-significant cumulative impacts on mineral resources.

4.3.9 Hazards and Hazardous Materials

Impacts from hazards are generally site-specific and typically do not result in cumulative impacts. Any hazards present at surrounding development sites would be subject to the federal, state, and local regulations and requirements discussed for the proposed Project in Section 3.9. However, cumulative impacts could be significant because construction and industrial sites typically involve the use and storage of hazardous materials, which could result in upset or accident conditions creating a significant hazard to the public or the environment, or because unknown contamination could migrate downgradient to affect larger areas.

The project site was subject to Water Board Order No. R2-2002-0007; however, this is now considered closed. The proposed Project is not expected to impact cleanup actions or create any additional hazards to the public or the environment associated with cleanup activities. Construction activities have the potential to disturb or reuse soil potentially impacted with hazardous materials. Hazardous and flammable substances would be used during construction and operation such as fuels, lubricating oils, solvents, hydraulic fluid and compressed gases. Operation of the proposed Project involves conversion of a variety of organic and biomass wastes; however no hazardous waste would be accepted. The process produces renewable hydrogen and a non-hazardous vitrified slag byproduct. The possibility of encountering soil potentially impacted with hazardous materials during construction and the handling of hazardous materials associated with proposed project construction and operation has the potential to result in impacts to workers, the public and/or the environment. Compliance with federal and state regulations as well as implementation of a soil management plan would reduce potential impacts from an accidental release of hazardous materials, encounters with impacted soil and groundwater and/or disturbance/reuse of soil impacted with hazardous materials during construction. With these measures, unhealthful levels of exposure by workers or the public, or releases to the environment, would not be expected; and therefore, potential for exposure to existing hazardous materials would be less than significant. Hence, the proposed Project's contribution to cumulative hazardous materials impacts would not be cumulatively considerable, and these cumulative impacts would be less than significant with mitigation.

4.3.10 Hydrology and Water Quality

Developers of projects in the City must demonstrate, as part of their entitlement process, that their projects would comply with Provision C.3 of the Countywide Municipal Regional Permit (National Pollutant Discharge Elimination System [NPDES] Permit No. CAS612008) issued by the California Regional Water Quality Control Board. More specifically, projects must include measures to pre-treat stormwater runoff from impervious surfaces prior to discharge of the stormwater to the storm drain system, and post-construction runoff volumes cannot exceed pre-construction volumes. All cumulative projects discussed herein, including the proposed Project, that would disturb one or more acres of land during construction must also comply with regulations of the NPDES Construction Storm Water General Permit. The proposed Project would not rely on groundwater, nor would the new developments nearby.

Wastewater from the proposed Project would be treated at the proposed wastewater treatment plant to meet appropriate discharge limits, then sent to the Delta Diablo Sanitary District (DDSD) wastewater treatment facility for disposal. While the accidental release of materials during loading and unloading operations could occur, response and control plans are required by state to minimize the potential for a reduction in water quality from an accidental release. As a result, cumulative impacts of other projects on hydrology and water quality are anticipated to be less than significant due to mandatory compliance with NPDES regulations during and after construction. Although accidental spills could present an individual project impact, other hydrology and water quality impacts of the project would be reduced with compliance with water quality regulations to which cumulative projects would also be subject. Therefore, the cumulative impact on hydrology and water quality would be less than significant.

4.3.11 Land Use and Planning

Past and present development has changed the character and land uses in the project vicinity to a predominantly industrial area served by road and rail transportation networks. Because the proposed Project would be developed within an existing industrial site and would not physically divide an established community, there would be no cumulative projects that would be relevant to this potential cumulative impact. Development projects in the surrounding area would result in physical changes that would introduce new land uses in already developed areas or new land use features in areas not currently developed. Although developments would result in noticeable physical changes to the vicinity, such changes would not result in a significant cumulative land use impact because the uses would be consistent with the City of Pittsburg General Plan and Municipal Code and surrounding development. The proposed Project involves constructing and operation of an industrial facility within an area previously developed for industrial purposes. The proposed Project is consistent with existing uses and the character of the project site and vicinity. Therefore, the proposed Project would have less-than-significant cumulative land use impacts.

4.3.12 Noise and Vibration

Many past and present projects combined with future projects and ongoing uses and activities in the project area contribute to incremental increases in noise levels. Noise in the project vicinity is generated primarily from industrial activities and mobile sources associated with surrounding

roadways and railroad lines. Construction of the proposed Project and cumulative projects could increase noise in the vicinity of the project site. However, construction noise would be temporary and subject to conditions of approval requiring compliance with applicable local ordinances that limit construction noise generating activities to daylight hours. As described in Section 3.12, the nearest noise-sensitive receiver would be separated from noise and vibration generating construction activities by a distance of approximately 4,800 feet. Operation of the proposed Project would not result in a perceptible increase in ambient noise levels at the nearest noise-sensitive receiver (less than 0.1 dBA increase). Therefore, the proposed Project's noise impacts would not be cumulatively considerable, and the proposed Project would result in less-than-significant cumulative noise impacts.

4.3.13 Population and Housing

Cumulative development in the project area, including the proposed Project, would incrementally increase population and demand for housing, but not beyond levels already planned for. Development in the surrounding project area is also primarily industrial. The proposed Project involves reuse of an industrial site and does not include construction of new housing or the demolition of existing housing units. Construction workers and employees associated with operation of the proposed Project are expected to commute from surrounding communities or from within the City. Therefore, the proposed Project would result in less-than-significant cumulative impacts on population and housing.

4.3.14 Public Services

Cumulative development in the project area, including the proposed Project, would incrementally increase demand for public services, but not beyond levels anticipated and planned for by public service providers. Cumulative impacts related to public services would therefore be less than significant. The proposed Project is expected to use an existing countywide community alert system that is activated if an industrial chemical release or fire occurs. Operators of the proposed Project would maintain internal fire response teams and systems, and would be required to develop and implement site-specific emergency and spill response plans with emergency procedures. The proposed Project involves reuse of site within an area primarily developed for industrial purposes and is not expected to require additional law enforcement staff or facilities. Therefore, the proposed Project is not expected to substantially increase the need for emergency or police services. Schools, parks, and other public services would not be affected because the proposed Project would not include new housing or substantially contribute to population increases. Hence, the proposed Project would have less-than-significant cumulative impacts on public services.

4.3.15 Recreation

Cumulative development projects are expected to result in a relatively small, planned increase in population and recreational resource users, and cumulative impacts are expected to be less than significant. The use of parks within the vicinity is not likely to increase with the proposed Project, nor would the proposed Project result in physical degradation of recreational resources. The

proposed Project would not lead to increased park patronage. Therefore, the proposed Project would have less-than-significant cumulative impacts on recreational resources.

4.3.16 Transportation and Traffic

The traffic analysis accounted for growth in traffic volumes in the project vicinity based on the Contra Costa Transportation Authority (CCTA) model and the traffic growth trend described in the Pittsburg General Plan 2020. As a result, the traffic analysis included an assessment of cumulative traffic impacts. The “Cumulative with Project” considers both ambient and cumulative traffic volumes to which the proposed Project traffic volumes were added. Under this scenario, the proposed Project’s would result in less than significant impacts to all intersections and roadway segments in the project vicinity when compared to the applicable significance criteria. The Arcy Lane/Pittsburg-Antioch Highway intersection would operate at level of service (LOS) A for all movements; however, the worst minor street movement (left turns on Arcy Lane) would function at LOS E with 36.6 seconds of delay in the PM peak hour. Thresholds requiring signal warrants would not be met at this location in this scenario and thus would not violate City standards. Therefore, the proposed Project’s incremental contribution to all intersections and roadway segments in the project vicinity would not to be cumulatively considerable. No mitigation is required.

4.3.17 Utilities and Service Systems

The proposed project, along with other development in the project area, would incrementally increase demand on utilities and service systems, but not beyond levels anticipated and planned for by utility service providers. This increased demand would therefore result in less-than-significant cumulative impacts on existing utilities and service systems. The proposed Project would result in a minor increase in demand on utilities and service systems for water service, wastewater treatment, electricity, and natural gas. Stormwater and surface runoff generated on the project site would be contained and treated within the facility’s wastewater treatment plant. Solid waste would be generated by the proposed Project; however, area landfills have the capacity to accommodate the increase in solid waste, and the facility’s waste-to-hydrogen processing plant would divert solid waste by converting feedstock to a renewable fuel source. Therefore, the proposed Project would result in less-than-significant cumulative impacts on utilities and services for water service, wastewater treatment and/or capacity, stormwater management, electric and gas facilities, and/or waste disposal.

4.3.18 Wildfire

The proposed project, along with other development in the project area are not expected to substantially impact the City of Pittsburg Emergency Operations Plan (2018) and would not be located near slopes that could be unstable after wildfires. Open areas, including to the east of the Corteva industrial park may be more susceptible to wildfire during dry conditions and may expose cumulative development projects to increased fire risk. Cumulative development projects may also involve the installation of infrastructure such as power lines or other utilities that may increase fire risk. This may result in less-than-significant cumulative wildfire impacts.

Open areas that may be susceptible to wildfire during dry conditions are east of the project site and may expose the proposed Project to increased fire risk. However, the project site is not in or near a Very High Fire Hazard Severity Zone or within a State Responsibility Area. The proposed Project would be required to comply with applicable fire prevention regulations and the project site is 1.5 miles from the closest CCCFPD Fire Station (Station 83) which allows for a response time well below the acceptable limit. Therefore, the proposed Project would result in less-than-significant cumulative wildfire impacts.

4.3.19 References

- City of Pittsburg. Community Development Department. Notice of Intent to Consider Adoption of a Mitigated Negative Declaration. HASA Norcal Project. Online:
<https://www.pittsburgca.gov/home/showpublisheddocument/15534/638338184404470000>.
Site accessed November 3, 2023.
- City of Pittsburg. Planning Division. CEQA Initial Study. HASA NorCal Project. Prepared by York Engineering, LLC. October 2023. Online:
<https://www.pittsburgca.gov/home/showpublisheddocument/15536/638338184849030000>.
Site accessed November 3, 2023.

5.1 INTRODUCTION

Lead agencies are required to consider project alternatives that would lessen or avoid potential environmental impacts identified in the environmental impact report (EIR). The Alternatives Analysis chapter of the EIR is meant to consider and discuss a variety of feasible alternatives to the proposed Project that attain most of the project objectives, as required and further described in CEQA Guidelines Section 15126.6. The following chapter includes analysis of all required CEQA alternatives considerations including: the purpose of an alternatives analysis, alternatives considered but dismissed, a reasonable range of project alternatives and their associated impacts in comparison to the proposed project’s impacts, and the environmentally superior alternative.

5.2 SUMMARY OF ANALYSIS

Table 5-1: Comparing Key Environmental Impacts of Project Alternatives

Resource Area	Proposed Project	No Project Alternative	Electrolysis Alternative A	Electrolysis Alternative B	Downsize Alternative
Air Quality and GHGs	Less-Than-Significant	Similar	Similar	Similar	Similar
Agriculture & Forestry	No Impact	Similar	Similar	Greater	Similar
Biological	Less-Than-Significant with Mitigation	Fewer	Similar	Greater	Similar
Cultural	Less-Than-Significant with Mitigation	Fewer	Similar	Greater	Similar
Geo	Less-Than-Significant	Fewer	Similar	Greater	Similar
Transportation	Less-Than-Significant	Fewer	Similar	Similar	Fewer
Hazardous Substances	Less-Than-Significant	Fewer	Similar	Similar	Similar
Hydrology/Water Quality	Less-Than-Significant	Fewer	Similar	Greater	Similar
Energy	Less-Than-Significant with Mitigation	Fewer	Greater	Greater	Similar
<p><i>“Fewer” = Less impacts than the proposed Project</i> <i>“Similar” = Equivalent impacts to the proposed Project</i> <i>“Greater” = More impacts than the proposed Project</i></p>					

5.3 CONSIDERATIONS FOR ALTERNATIVES

Alternative analyses under CEQA aim to identify an alternative “...capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, legal, social and technological factors...” (CEQA Guidelines Section 21061.1) that attains “most of the basic objectives of the project” (CEQA Guidelines Section 15126.6(f)).

The CEQA Guidelines provide the following guidance for discussing alternatives to a proposed project:

- The discussion of alternatives shall focus on alternatives to the project or its location which are capable of avoiding or substantially lessening any significant effects of the project, even if these alternatives would impede to some degree the attainment of the project objectives or would be more costly (CEQA Guidelines Section 15126.6(b)).
- The EIR shall briefly describe the rationale for selecting the alternatives to be discussed. The EIR shall also identify any alternatives that were considered by the Lead Agency but were rejected as infeasible during the scoping process and briefly explain the reasons underlying the Lead Agency’s determination [...] Among the factors that may be used to eliminate alternatives from detailed consideration in an EIR are: (i) failure to meet most of the basic project objectives, (ii) infeasibility, or (iii) inability to avoid significant environmental impacts (CEQA Guidelines Section 15126.6(c)).
- The EIR shall include sufficient information about each alternative to allow meaningful evaluation, analysis, and comparison with the proposed project. A matrix displaying the major characteristics and significant environmental effects of each alternative may be used to summarize the comparison (CEQA Guidelines Section 15126.6(d)). If an alternative would cause one or more significant effects in addition to those that would be caused by the project as proposed, the significant effects of the alternative shall be discussed, but in less detail than the significant effects of the project as proposed (CEQA Guidelines Section 15126.6(d)).
- The specific alternative of “no project” shall also be evaluated along with its impact. The purpose of describing and analyzing a no project alternative is to allow decision-makers to compare the impacts of approving the proposed project with the impacts of not approving the proposed project. The no project alternative analysis is not the baseline for determining whether the proposed project’s environmental impacts may be significant, unless it is identical to the existing environmental setting analysis which does establish that baseline (CEQA Guidelines Section 15126.6(e)(1)).
- If the environmentally superior alternative is the “no project” alternative, the EIR shall also identify an environmentally superior alternative among the other alternatives (CEQA Guidelines Section 15126.6(e)(2)).
- Among the factors that may be taken into account when addressing the feasibility of alternatives are site suitability, economic viability, availability of infrastructure, general plan consistency, other plans or regulatory limitations, jurisdictional boundaries, and whether the proponent can reasonably acquire, control or otherwise have access to the alternative site (or the site is already owned by the proponent)” (CEQA Guidelines 15126.6(f)(1)).

5.3.1 Project Objectives

- Develop and operate a renewable hydrogen production facility to convert waste organic feedstock to a useful product, thereby advancing California’s goal (Senate Bill (SB)1383, Assembly Bill (AB) 939) to divert organic materials from landfills and reduce landfill methane generation.

- Produce low-carbon, renewable hydrogen for use in fuel cell vehicles, particularly heavy-duty trucks and buses, as well as use in the production of renewable fuels or as a renewable heat source, thereby advancing the goals of California legislation, such as SB32, and regulatory programs, including the Low Carbon Fuel Standard (LCFS) and Advanced Clean Fleets programs.
 - Promote the local transition of heavy-duty trucks and buses to zero-emission fuel cells to reduce local emissions of harmful pollutants, including the intent to decrease local diesel PM pollution, without substantially increasing local fuel costs.
 - Reduce the carbon intensity of hydrogen feedstock supply for the Bay Area’s renewable fuels producers.
- Align with the United States Department of Transportation (USDOT) Justice40 Initiative by investing in a clean energy and energy efficient facility that would remediate and reduce legacy pollution for a community that has been historically underserved.
- Divert an average waste feedstock volume of 350 short ton per day (TPD) and a peak volume of up to 550 TPD from landfills; thereby providing an average dry feedstock volume of 220 TPD, with a peak volume of up to 250 TPD.³⁶
- Produce up to 25,000 kilograms per day of carbon-negative renewable hydrogen and up to 50 TPD of vitrified slag byproduct.
- Abate current and future greenhouse gas emissions by displacing fossil fuels and reducing landfill methane emissions.
- Generate renewable hydrogen while minimizing the use of electricity and land.

5.3.2 Impacts Identified In The EIR

5.3.2.1 Significant and Unavoidable

The EIR does not identify any resource areas with significant and unavoidable impacts from the proposed Project.

5.3.2.2 Less Than Significant with Mitigation

Potential significant environmental impacts that have been identified as requiring mitigation to reduce impacts of the proposed Project to less-than-significant levels include the following:

- Air Quality and Greenhouse Gas Emissions

³⁶ The balance of mass volume is evaporated as moisture or returned to the feedstock supplier for recycling or landfilling.

- AQ-1: Would the proposed Project conflict with or obstruct implementation of the applicable air quality plan.
- AQ-5: Would the proposed Project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.
- Biological Resources:
 - BIO-1: Cause substantial adverse impacts to special-status species identified by the USFWS, California Department of Fish and Wildlife (CDFW), or NMFS due to Project Development.
 - BIO-2: Disturbance or loss of sensitive natural communities or State and Federally protected wetlands.
 - BIO-3: Interfere with wildlife migratory corridors or nursery sites.
- Cultural and Tribal Cultural Resources:
 - CR-1: Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5e.
 - CR-2: Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5.
 - CR-3: Potentially disturb human remains, including those interred outside of formal cemeteries.
- Energy:
 - ENG-1: The proposed Project could result in increased energy consumption, but not in large amounts or in a wasteful manner.
 - ENG-2: The proposed Project could conflict with or obstruct a state or local plan for renewable energy or energy efficiency.
- Geology
 - GEO-1: Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury or death involving a) rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? b) strong seismic ground shaking? c) seismic-related ground failure, including liquefaction? d) landslides?

5.3.2.3 **Less Than Significant or No Impact**

The proposed Project would result in no impact or a less-than-significant impact related to the following resource areas:

- Aesthetics
- Agriculture and Forestry
- Mineral Resources
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise and Vibration
- Population and Housing
- Public Services
- Recreation
- Transportation and Traffic
- Utilities and Service Systems
- Wildfire

This EIR identifies environmental effects as either “no impact,” “less-than-significant,” “less-than-significant with mitigation,” or “potentially significant.”

For the purposes of this alternatives analysis, the following resources areas are not considered in the discussion on project alternatives:

- Aesthetics
- Agriculture and Forestry
- Cultural and Tribal Cultural Resources
- Geology/Soils
- Land Use and Planning
- Mineral Resources
- Noise
- Population and Housing
- Public Services
- Recreation
- Tribal Cultural Resources
- Utilities and Service Systems
- Wildfire

5.4 **SELECTION OF ALTERNATIVES**

In accordance with CEQA Guidelines Section 15126.6(c), this section identifies all reasonable alternatives considered by the lead agency during the scoping process, as well as the alternatives rejected based on feasibility and adherence to the “rule of reason.”

5.4.1 Alternatives Considered in the EIR

- No Project Alternative
- Electrolyzer Alternative A
- Electrolyzer Alternative B
- Downsize Alternative
- Off-Site Alternative
- Waste & Hydrogen by Rail Alternative

5.4.2 Alternatives Dismissed from Further Analysis

Per CEQA Guidelines, alternatives are only considered in depth if they are a feasible solution to reduce or eliminate potentially significant impacts, while still satisfying key project objectives. As stated in CEQA Guidelines Section 15126.6(c), among the criteria that may be used to eliminate alternatives from detailed consideration in an EIR are:

- failure to meet most of the basic project objectives,
- infeasibility, or
- inability to avoid significant environmental impacts.

5.4.2.1 Off-Site Alternative

It is common for CEQA to review an Off-Site Alternative at a separate location to the proposed Project. Finding an alternative site poses many issues that could result in significant unavoidable impacts or impacts that would require mitigation not currently present in the proposed Project scenario. Transitioning away from the previously disturbed, heavily industrial nature of the proposed project site would likely trigger more substantial impacts to key environmental resource areas such as biological resources, cultural resources, aesthetics, agriculture and forestry resources, and land use.

In addition, the Off-Site Alternative would not attain key goals of the proposed Project such as reducing local truck emissions in and around the city of Pittsburg (City) or adhering to the USDOT Justice40 Initiative meant to directly benefit historically underserved communities with jobs, environmental benefits and funding. Therefore, the alternatives analysis dismisses the Off-Site Alternative for failing to meet basic project objectives and introducing new potentially significant impacts and less-than-significant impacts.

5.4.2.2 Waste & Hydrogen by Rail Alternative

The proposed Project discusses all transportation of waste and hydrogen as carried via class 8 truck, which is standard in both industries. The potential for delivery and export via rail has the added benefit of significantly fewer truck trips to and from the project site. However due to the close proximity of waste feedstock (within 80 miles or less) it is impractical and inefficient to transfer such low volumes of waste via rail because of the additional need for intermodal loading and unloading facilities and infrastructure. The logistical challenges of facilitating waste transportation by rail can be demonstrated by the Los Angeles County Sanitation Districts \$500 million project to establish a

waste-by-rail system to dispose of waste in an Imperial County landfill, which began in 1988 and has yet to be finished. Thus, waste-by-rail is economically infeasible and not further considered as a viable alternative.

Hydrogen is currently not transported by rail anywhere in the United States, making hydrogen-by-rail technologically infeasible and impractical to consider as an alternative.

5.5 ALTERNATIVES CONSIDERED IN THIS EIR

CEQA requires the evaluation of the comparative impacts of the “No Project” alternative (CEQA Guidelines Section 15126.6[e]). Analysis of the no project alternative shall:

“... discuss [...] existing conditions [...] as well as what would be reasonably expected to occur in the foreseeable future if the project were not approved, based on current plans and consistent with available infrastructure and community services.” (Id., subd. [e][2]) “If the project is other than a land use or regulatory plan, for example a development project on identifiable property, the ‘no project’ alternative is the circumstance under which the project does not proceed. Here the discussion would compare the environmental effects of the property remaining in the property’s existing state versus environmental effects that would occur if the project were approved. If disapproval of the project under consideration would result in predictable actions by others, such as the proposal of some other project, this ‘no project’ consequence should be discussed. In certain instances, the no project alternative means ‘no build,’ wherein the existing environmental setting is maintained. However, where failure to proceed with the project would not result in preservation of existing environmental conditions, the analysis should identify the practical result of the project’s non-approval and not create and analyze a set of artificial assumptions that would be required to preserve the existing physical environment.” (Id., subd. [e][3][B]).

The following subsections include an overview providing background related to this alternative, a description of this alternative, an evaluation of the alternative’s consistency with project objectives, an impact comparison analysis and economic feasibility analysis.

5.5.1 No Project Alternative

5.5.1.1 Description

The No Project Alternative assumes the baseline condition of the project site would remain in its current condition largely underutilized and consisting of storage for industrial equipment, rail and idled infrastructure. Given the industrial zoning and potential for redevelopment, the current condition baseline is a conservative estimate for evaluating alternative project impacts.

5.5.1.2 Consistency with Project Objectives

The No Project Alternative would continue the limited industrial storage use indefinitely. Under this use, no municipal solid waste would be diverted from landfill to aid SB1383's goal of reducing methane emissions. Renewable hydrogen would not be produced for clean transportation or renewable fuels that supports the reduction of air pollution and GHG emissions, which is aligned with multiple goals and policies in the City's existing and updated General Plan and draft Sustainability Plan. In addition, without the proposed Project, there would be no funding or community benefits to support the USDOT Justice40 Initiative benefiting the City. Therefore, the No Project Alternative would fail to meet all the of the proposed project's objectives.

5.5.1.3 Impacts of Alternative

- *Air Quality and GHG Emissions:* Little to no air pollutants or GHG emissions would result from the No Project Alternative.
- *Biological:* No biological resources would be impacted in the No Project Alternative.
- *Transportation:* Only existing, sporadic traffic would impact transportation in the No Project Alternative.
- *Hazards and Hazardous Materials:* No additional hazardous resources would be introduced to the site in the No Project Alternative.
- *Hydrology/Water Quality:* No new water quality concerns would be present as the site would remain in its current condition in the No Project Alternative.
- *Energy:* No energy impacts would result from the No Project Alternative.

5.5.2 Electrolysis Alternative A

5.5.2.1 Description

Electrolysis is an alternative method to produce “green” hydrogen and can enable low-to-zero carbon emission hydrogen, depending on the source of the electricity input. Using an electricity-intensive process, electrolyzers separate highly purified water into hydrogen and oxygen gases. Large-scale hydrogen production using electrolysis is expected to become more widespread in the near/medium-term, but it is a nascent market with approximately 700 MW of global electrolyzer capacity³⁷, which is capable of producing approximately 300,000 kg/day of hydrogen³⁸. The proposed Project will be capable of producing up to 25,000 kg/day of hydrogen, which represents a meaningful contribution to existing global green hydrogen production capacity and helps meet the growing demand for low-carbon energy products.

³⁷ <https://www.ica.org/energy-system/low-emission-fuels/electrolysers>

³⁸ Assumes 50 kWh/kg electrolyzer efficiency.

Considering the importance of electricity supply to the electrolysis process, this alternatives analysis will breakdown two electrolysis scenarios:

- The electrolyzer is located at the proposed project site powered by either grid power or a power purchase agreement (PPA) utilizing remote renewable energy; and
- The electrolyzer is located in a rural location in central California and utilizes direct connection to a 300 MW solar generation project with energy storage.

Scenario A is outlined in 5.5.2 and scenario B is outlined below in 5.5.3.

In order to accurately assess the feasibility of Electrolysis Alternative A, which depends on utility grid power, a brief summary of electrical power inputs is warranted. According to the 2023 PG&E Industrial B-20 rate schedule, the lowest average “bundled total rate” is \$0.20 per kWh. Given that electrolysis projects consume³⁹ 50-55 kWh/kg H₂, this translates to an electricity cost of \$10-11/kg H₂. After factoring for CAPEX and other O&M expenses, Electrolysis Alternative A would need to sell hydrogen for \$10-15/kg or higher, which represents a premium over conventional natural-gas based hydrogen using steam methane reforming (SMR) currently produced for approximately \$2-3/kg in California.

Large energy loads often sign PPAs to attribute some or all of a renewable energy generators production to a single load source when the supply and demand are built in different locations. While this is potentially possible for Electrolysis Alternative A, the cost for transmission and delivery (T&D) charges across hundreds of miles of PG&E’s electrical infrastructure would add prohibitive costs to the overall delivered price of electricity. Even an aggressive T&D charge of \$0.08/kWh on top of \$0.05/kWh renewable energy would equate to \$6.50/kg H₂ electricity costs. In California, our conclusion is that electrolysis projects are not economically feasible in urban, semi-urban or suburban areas due to extremely high electricity costs and lack of sufficient land for renewable energy generation.

As a comparison, the proposed Project would only consume 15-20 kWh/kg which translates to a maximum electricity cost of \$3-4/kg, which is \$7-8/kg lower than the scenario in Electrolysis Alternative A. The proposed Project aims to primarily sell hydrogen into the heavy-duty truck and bus fuel market. In terms of “diesel gallon equivalents” (DGE), a cost reduction of \$7-8/kg hydrogen equates to a cost reduction of \$7-10/DGE⁴⁰, which is highly impactful given that 2022 California diesel retail prices averaged \$6.03/gal⁴¹.

5.5.2.2 Consistency with Project Objectives

Electrolysis Alternative A fails to attain several key project objectives. First, the alternative project does not divert organic waste away from landfills and reduce overall methane emissions from waste disposal. This is a fundamental goal of both the proposed Project and California state policy under SB 1383 that is in need of effective diversion methods. Without organic waste diversion, Electrolysis

³⁹ <https://www.energy.gov/eere/fuelcells/technical-targets-proton-exchange-membrane-electrolysis>

⁴⁰ Assume 6.0-6.5 miles/gallon of diesel and 6.0-7.5 miles/kg of hydrogen.

⁴¹ California No 2 Diesel Retail Prices (EIA 2022)

Alternative A significantly reduces the overall methane emissions reduction compared to the proposed Project.

Electrolysis Alternative A also fails to minimize the electricity usage of renewable hydrogen production. Modern electrolyzer technology utilizes approximately 51 kWh/kg of hydrogen production. Hydrogen only has an energy content of 33.3 kWh/kg⁴², hence an electrolyzer project is a net-destroyer of electricity and requires more energy to produce the hydrogen fuel than energy that is retained in the final fuel product. Compared to the proposed Project (which would consume 15-20 kWh/kg), Electrolysis Alternative A does not minimize electricity input. As a result, the Electrolysis Alternative greatly increases electricity usage by requiring 2.5-3.5x more electricity per kilogram of hydrogen produced than the proposed Project.

5.5.2.3 Impacts of Alternative

- Air Quality and GHG Emissions:
 - Truck Trip Emissions - Truck trips would no longer be needed to deliver waste feedstock. Consumables and other material deliveries are expected to be similar to the proposed Project. Hydrogen tube trailer truck trips would be similar to the proposed Project. The overall distance traveled attributable to truck trips is expected to be similar, assuming Electrolysis Alternative A is located at the proposed project site. As with the proposed Project, air quality and GHG emission impacts are anticipated to be less-than-significant with mitigation.
 - Process Air Emissions - The production process for Electrolysis Alternative A would result in lower process air emissions due to differences in technology; however indirect emissions from electricity generation would be 2.5-3.5x higher than the proposed Project due to the unavailability of substantial renewable energy to power the electrolyzer. Similar to the proposed Project, the Air Quality and GHG Emissions impacts from operations are anticipated to be less-than-significant.
- *Biological*: Assuming Electrolysis Alternative A would be located at the same site, there would be little to no change in potential impacts on biological resources, given the nature of the site and similar project footprint.
- *Transportation*: Electrolysis Alternative A would not be receiving waste, thus potentially reducing the impact from waste truck traffic near the project site. Since traffic would be reduced but not eliminated, the alternative is expected to result in a less-than-significant impact, similar to the proposed Project.
- *Hazards and Hazardous Materials*: Electrolysis Alternative A may have similar or fewer supplies of consumable chemicals and gaseous hydrogen on site as the proposed Project and therefore could potentially meet the less-than-significant impact designation.

⁴² Hydrogen's lower heating value.

- *Water Quality:* Electrolysis Alternative A is not expected to vary significantly in wetland impacts on site or adjacent to the proposed Project. Both projects are expected to cause a less-than-significant impact.
- *Energy:* Electrolysis Alternative A would consume 2.5-3.5x more electricity than the proposed Project, significantly increasing the impact on electricity demand during project operations.

5.5.3 Electrolysis Alternative B

5.5.3.1 Description

The Electrolysis Alternative B shares similarities and impacts to Electrolysis Alternative A above, however, Electrolysis Alternative B assumes a low-to-zero carbon emission profile powered entirely with co-located renewable energy, such as wind, solar or hydropower electricity, instead of a standard utility grid mix. An electrolyzer project with co-located solar power that produces the equivalent hydrogen output as the proposed Project would require more than 1,000 acres⁴³, which is only viable in rural California areas, and not a feasible project alternative in/near Pittsburg. Therefore, Electrolysis Alternative B is assumed to be located generally in central California, not the City. Apart from the project location and electricity source, Electrolysis Alternative B shares all other project features with Electrolysis Alternative A.

5.5.3.2 Consistency with Project Objectives

Electrolysis Alternative B fails to divert organic waste away from landfills, reduce overall methane emissions from waste disposal, minimize the electricity and land use intensity of renewable hydrogen production and support the Justice40 Initiative by making clean energy investments in the City. Refer to 5.5.b for more information on the electrolysis alternatives consistency with project objectives.

5.5.3.3 Impacts of Alternative

- Air Quality and GHG Emissions:
 - Truck Emissions - Truck trips would no longer be needed to deliver waste feedstock. Consumables and other material deliveries are expected to be similar to the proposed Project. Hydrogen tube trailer truck trips would be similar to the proposed Project; however, overall distance traveled is expected to increase significantly compared to the proposed Project due to the remote location of Electrolysis Alternative B in central California. Air quality and GHG emission impacts related to truck trips are anticipated to be less-than-significant, which is comparable to the proposed Project.
 - Process Air Emissions - The production process for Electrolysis Alternative B would result in lower process air emissions due to differences in technology. The Air Quality

⁴³ Assumes 80 MW of electrolysis capacity powered by 200 MW solar PV and batteries to produce 25,000 kg/day; assumes solar PV requires 5-6 acres per 1 MW capacity.

and GHG Emissions from the production process are anticipated to be less-than-significant reflecting a reduced impact relative to the proposed Project.

- *Biological:* Assuming Electrolysis Alternative B would be located on greenfield land in rural California, there could be a high likelihood for significant and unavoidable impacts to sensitive biological habitats or species due to needing 1,000+ acres of land for renewable energy to power the electrolyzer. This is a substantial increase in potential impacts relative to the proposed Project.
- *Transportation:* Electrolysis Alternative B would not be receiving waste, thus potentially reducing the impact from waste truck traffic near the alternative project site. In addition, electrolyzers powered by renewable energy typically operate intermittently when renewable energy is available, which would further reduce the truck traffic during periods of non-operation throughout the day. Electrolysis Alternative B would not reduce all traffic impacts and would therefore share the less-than-significant designation with the proposed Project.
- *Hazards and Hazardous Materials:* Electrolysis Alternative B may have similar or fewer supplies of consumable chemicals and gaseous hydrogen on site as the proposed Project and therefore could potentially meet the less-than-significant impact designation.
- *Hydrology/Water Quality:* Assuming Electrolysis Alternative B would be located on greenfield land in rural California, Electrolysis Alternative B has the increased potential to cause significant impacts to local, state or federal wetlands.
- *Energy:* The energy demands from Electrolysis Alternative B would be 2.5-3.5x more than the proposed Project and developing renewable energy projects specifically for electrolysis presents a potential concern that the energy generated is not going to a more efficient use, such as for grid power for homes and businesses.

5.5.4 Downsize Alternative

5.5.4.1 Description

CEQA Guidelines do not prescribe a downsize threshold for evaluating project alternatives, however, for the purposes of this analysis, it is assumed the Downsize Alternative processes 50 percent of the MSW feedstock and therefore produces 50 percent of the hydrogen output. While the throughput of material is reduced, the design of the OMNI waste conversion unit is not assumed to be reduced because there is no viable alternative size offered by OMNI CT.

System size reduction of 50 percent does reduce capital cost, however, it also decreases the capital efficiency (i.e., it increases the capital cost per kg/day of hydrogen production capacity) because the fixed costs of development, permitting and engineering would not decrease significantly, and the OMNI system cost would not decrease significantly, as described above. Diseconomies of scale would render the facility financially infeasible because the required sales price for the hydrogen produced would be too high to attract buyers.

5.5.4.2 Consistency with Project Objectives

The Downsize Alternative does meet all project objectives, however to a significantly lesser extent.

5.5.4.3 Impacts of Alternative

- **Air Quality and GHG Emissions:** It's anticipated the Downsize Alternative would reduce process air emissions due to emission sources such as the boiler operating at reduced capacity, however, because the majority of process emissions occur during startup of the OMNI waste conversion unit, the reduced project size would not have a proportional reduction in process emissions. The reduced throughput would decrease the truck trips and related emissions proportionally with the downsize. As a result of reduced waste throughput, the Downsize Alternative would reduce avoided landfill methane emissions, which would increase regional GHG emissions from landfills. Overall, the Downsize Alternative would not vary significantly from the impacts of the proposed Project.
- **Biological:** The Downsize Alternative would lead to less utilization of the project site, however, due to the pre-disturbed, industrial nature of the site, the reduction in project acreage would have a minimal effect on the potential environmental impacts and would not vary significantly from the impacts of the proposed Project.
- **Transportation:** The Downsize Alternative would reduce the overall truck traffic proportionally to the throughput reduction. The reduced capacity would not entirely eliminate all truck traffic and would therefore not vary significantly from the potential impacts of the proposed Project.
- **Hazards and Hazardous Materials:** The Downsize Alternative would reduce but not eliminate the amounts of consumables and hydrogen on site. Thus, the Downsize Alternative would likely still result in less-than-significant impact.
- **Hydrology/Water Quality:** The Downsize Alternative would not substantially alter impacts to wetlands or other hydrological resources. Therefore, the Downsize Alternative would not vary significantly from the impacts of the proposed Project.
- **Energy:** The Downsize Alternative would reduce but not eliminate the electrical load when compared to the proposed Project. The reduced capacity would not vary significantly from the impacts of the proposed Project.

5.6 ENVIRONMENTALLY SUPERIOR ALTERNATIVE

An EIR is required to identify the environmentally superior alternative from among the range of reasonable alternatives that are evaluated. The environmentally superior alternative is generally the alternative that would be expected to generate the least amount of significant impacts. Identification of the environmentally superior alternative is an informational procedure and the alternative selected may not be the alternative that best meets the goals or needs of the City.

Section 15126(e)(2) of the CEQA Guidelines requires that an environmentally superior alternative be designated and states, “If the environmentally superior alternative is the ‘no project’ alternative, the EIR shall also identify an environmentally superior alternative among the other alternatives.” All of the potential impacts identified for the proposed project would not occur or would be fewer under the No Project Alternative. Thus, the No Project Alternative would be considered the environmentally superior alternative. However, given that a ‘no project’ alternative shall not be selected as the environmentally superior alternative, an environmentally superior alternative among the other alternatives should be chosen.

The Electrolysis Alternatives A and B would reduce some environmental impacts such as truck traffic, however, the electrolysis alternatives would create potentially significant impacts related to energy usage and land use (particularly Electrolysis Alternative B) and could impact biological, cultural and water quality resources much more than the proposed Project.

The Downsize Alternative would obtain reduced benefit from the proposed project objectives, while minimizing the environmental impacts of the proposed Project and avoiding additional impacts.

In accordance with CEQA Guidelines, the Downsize Alternative case is therefore the environmentally superior alternative, in lieu of the No Project Alternative, which would reduce all proposed project impacts completely, but is prohibited from being deemed the environmentally superior alternative.

This chapter includes an evaluation of other topics that are required to be considered in an environmental impact report (EIR) in accordance with CEQA Guidelines Section 15126.2, including:

- Growth-inducing impacts;
- Significant irreversible environmental changes; and
- Significant and unavoidable impacts

6.1 GROWTH-INDUCING IMPACTS

CEQA Guidelines Section 15126.2(d) requires that an EIR include an evaluation of the growth-inducing impacts of a proposed project. This should include an evaluation of the way in which a proposed project could foster economic or population growth, or the construction of additional housing, either directly or indirectly, in the surrounding environment. The evaluation should also consider whether a project would remove obstacles to population growth or encourage and facilitate other activities that could significantly affect the environment.

The proposed Project would involve construction and operation of a renewable hydrogen facility on vacant land previously used for industrial purposes. The proposed Project would not include any retail, commercial, or residential uses. Project construction is expected to last approximately 18 to 24 months and involve 150 to 225 on-site workers. This number of short-term employees would not be considered significant in terms of overall employment in the county. Project operation is expected to require approximately 30 full-time employees that would commute from surrounding communities or from within the City itself. For these reasons the proposed Project is not expected to add a substantial number of residents who would require additional housing. The proposed Project would not involve other growth-inducing effects, such as a significant road extensions or expansions of utility services. Therefore, the proposed Project is not expected to result in new regional population or employment growth or result in significant indirect or direct growth-inducing impacts.

6.2 SIGNIFICANT IRREVERSIBLE ENVIRONMENTAL CHANGES

CEQA Guidelines Section 15126.2(c) requires that an EIR include consideration of significant irreversible environmental changes that would result from implementation of a proposed project. A significant and irreversible environmental change may result from:

- A large commitment of nonrenewable resources during the initial and continued phases of the project that makes removal or nonuse of such resources thereafter unlikely;
- Primary impacts and secondary impacts (such as a highway improvement which provides access to a previously inaccessible area) that generally commit future generations to similar uses; and
- Irreversible damage from environmental accidents associated with the project.

CEQA Guidelines Section 15126.2(d) indicates that irretrievable commitments of resources should be evaluated to confirm that consumption of resources is justified.

The proposed Project would likely result in, or contribute to, the following significant irreversible environmental changes:

- Building materials derived from nonrenewable sources would be permanently consumed (e.g., steel, concrete); however, some materials may be partly recyclable in the future.
- Reuse of vacant land previously used for industrial purposes may preclude alternative land uses in the future; and
- Consumption of energy and natural resources, such as water, electricity, and natural gas, associated with construction and operation. However, the proposed Project would result in the reuse of municipal solid waste that might otherwise be directed to municipal landfills, and the production of hydrogen that might otherwise be produced using processes that consume more energy and natural resources.

6.3 SIGNIFICANT, UNAVOIDABLE ENVIRONMENTAL IMPACTS

CEQA Guidelines Section 15126.2(b) requires that an EIR include a discussion of impacts identified as significant and unavoidable should the proposed Project be implemented. An impact is considered unavoidable if mitigation or alternative designs would not reduce the impact to a level of insignificance.

Based on the analysis presented in this EIR all potential impacts of the proposed Project could be eliminated or reduced to a less-than-significant level through the implementation of mitigation measures imposed by the City. The final determination of the significance of impacts and the feasibility of mitigation measures would be made by the City as part of the City's certification action.

7.1 CITY OF PITTSBURG

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Assistant Director of Community and Economic Development

Alison Hodgkin
Associate Planner

7.2 HC (CONTRA COSTA), LLC

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Development Manager

Taylor Huff
Project Director

Megan Good
Development Manager

7.3 TRC COMPANIES

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EIR Author; Project Manager

Paula DeMichele
Utilities and Services, Aesthetics, Agriculture, Public Services; Project Quality Control

Christopher Wolf
Cumulative Impacts; Senior CEQA Review

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Lucy Lin
Senior Advisor, Transportation and Traffic

Sergio Ray
Mapping and GIS Services

7.4 GEOENGINEERS, INC.

Energy, Air Quality and Greenhouse Gas Analysis

7.5 AGENCIES AND ORGANIZATIONS CONSULTED

California Department of Fish and Wildlife (CDFW)

Bay Area Air Quality Management District (BAAQMD)

San Francisco Bay Conservation and Development Commission (BCDC)

California Department of Transportation (Caltrans)

California Department of Toxic Substances Control (DTSC)

East Contra Costa County Habitat Conservancy (ECCC HCP/NCCP)

Regional Water Quality Control Board (RWQCB)

United States Army Corps of Engineers (USACE)

United States Environmental Protection Agency (EPA)

United States Fish and Wildlife Service (USFWS)

Metropolitan Transportation Commission (MTC)

California Department of Resources, Recycling, and Recovery (Cal Recycle)

East Bay Regional Park District (EBRPD)

California Office of Historic Preservation (OHP)

California Department of Conservation (DOC)

Appendix A: Notice of Preparation



NOTICE OF PREPARATION

To: State Clearinghouse
P.O. Box 3044
Sacramento, CA 95812

From: City of Pittsburg, Planning Division
65 Civic Avenue
Pittsburg, CA 94565

To: Interested Parties;
Responsible & Trustee
Agencies

Subject: Revised Notice of Preparation of an Environmental Impact Report for the
H Cycle Pittsburg Renewable Hydrogen Project

On April 7, 2023, the City of Pittsburg (City), as lead agency under the California Environmental Quality Act (CEQA), issued a Notice of Preparation (NOP) of an Environmental Impact Report (EIR) for the H Cycle Pittsburg Renewable Hydrogen Project, in accordance with Section 15082 of the State CEQA Guidelines (SCH Number 2023040173). As indicated in the NOP, HC (Contra Costa), LLC, is proposing to construct and operate a renewable hydrogen facility in the City of Pittsburg that would use sorted waste materials as feedstock in a non-combustion thermal conversion process (Project). The NOP response period ended on May 10, 2023, and a Scoping Summary was prepared (Attachment 1).

Since issuing the NOP, HC (Contra Costa), LLC, has selected an alternative Project Site/Study Area for the proposed Project (Attachment 2). This revised NOP will provide sufficient information related to the new Project Study Area and restart a 30-day public scoping period with the new Project information. The purpose of this revised NOP is to inform all responsible and trustee agencies that an EIR will be prepared and provide agencies with sufficient information describing both the Project and its potential environmental effects to enable the agencies to make a meaningful response as to the scope and content of the information to be included in the EIR. The City is also soliciting comments on the scope of the EIR from any interested persons.

Project Title: H Cycle Pittsburg Renewable Hydrogen Project

Project Applicant: HC (Contra Costa), LLC, 1320 Willow
Pass Rd., Suite 600, Concord CA 94520

Date: September 14, 2023

Signature: *Alison Hodgkin*

Title: Associate Planner

Telephone: (925) 252-6987

Email: ahodgkin@pittsburgca.gov

Reference: California Code of Regulations, Title 14 (California Environmental Quality Act Guidelines) Sections 15082(a), 15103, 15375

PUBLIC SCOPING MEETING AND COMMENT SUBMITTAL

Two scoping meetings, open to the public, agencies, and stakeholders, will be held to receive public comments and suggestions on the project. At these meetings, staff will give a brief presentation of the EIR process and will take public comment on the proposed EIR. The scoping meetings will be open to the public and held at the following locations:

A Zoom scoping meeting will be held:

Date: Wednesday, October 11, 2023
Time: 10:00 AM
Zoom Link: <https://us02web.zoom.us/j/87126735445?pwd=eVdpa1R0WGtmSXpkUTli a0pya3RwUT09>
Meeting ID: 871 2673 5445
Passcode: 510303

Please note location change to 3rd Floor Conference Room

An in-person scoping meeting will be held:

Date: Thursday, October 12, 2023
Time: 6:00 PM
Location: Pittsburg City Hall, **3rd Floor Conference Room**
65 Civic Avenue, Pittsburg, California 94565

The purpose of the EIR is to provide information about potential significant environmental impacts of the H Cycle Pittsburg Renewable Hydrogen Project, to identify possible ways to minimize those significant impacts, and to describe and analyze possible alternatives to the proposed project if potential significant impacts are identified. Preparation of an NOP or EIR does not indicate a decision by the City to approve or disapprove the project. However, prior to making any such decision, the City Council must review and consider the information contained in the EIR.

Written comments on the scope of the EIR are encouraged. **Please submit comments by 5:00 PM on October 16, 2023.** Written comments should be sent to Alison Hodgkin, Associate Planner, at 65 Civic Avenue, Pittsburg, California 94565, or via email at ahodgkin@pittsburgca.gov, or via fax at (925) 252-4814. The NOP is also available on-line at [Public Environmental Reviews | City of Pittsburg \(pittsburgca.gov\)](https://www.pittsburgca.gov/development/public-environmental-reviews).

Questions concerning the environmental review of the proposed project should be directed to Alison Hodgkin at ahodgkin@pittsburgca.gov. To be considered during preparation of the EIR, comments must be received in writing by the deadline identified above.

PROJECT LOCATION AND SETTING

The proposed project site is located at 901 Loveridge Road, 0.9 miles northeast of the intersection of Pittsburg-Antioch Highway and Loveridge Road (See Figure 1). The project site, with laydown and staging yard, would be up to 20 acres of the approximately 24-acre Study Area, a subset of an approximately 246-acre parcel (APN: 073-220-049) zoned for General Industrial (IG) use and classified as Industrial in the City of Pittsburg's 2020 General Plan (See Figures 2 and 3). Primary access for the project site would be located off Arcy Lane. The Study Area is mostly vacant with some residual pieces of industrial equipment, a few railroad spurs, five buildings that account for

less than one acre, and includes exterior and interior access roads that would be improved and maintained for the project. There is an existing industrial tenant using one building in the Study Area that could require relocation elsewhere within the Corteva industrial park. Permanent usage of the proposed renewable hydrogen facility would be approximately 12 acres of the 24-acre Study Area (See Figure 4). The Study Area is currently graded and covered with an array of graveled ground, disturbed dirt, and concrete slabs that are primarily used for parking and storage.

The land use surrounding the project site is primarily industrial, including Calpine's Delta Energy Center (south), the Delta Diablo wastewater treatment facility (south), and Corteva Agriscience's manufacturing facility (west), of which the Study Area is a subset of the same 246-acre parcel (APN: 073-220-049). The project site and industrial facilities are all located within a contiguous 993-acre area zoned for General Industrial (IG) use in the City of Pittsburg. Several transportation facilities are also in the surrounding area, including the Burlington Northern & Santa Fe (BNSF) railroad (south), Pittsburg-Antioch Highway (south), Union Pacific Railroad (south), and State Route 4 (south). New York Slough is north of the project site. The nearest residences are south of State Route 4 approximately 0.9 miles southwest of the project site.

PROJECT COMPONENTS

The proposed project includes construction and operation of a renewable hydrogen facility that would use waste organic materials as feedstock in a non-combustion thermal conversion process.

Construction

Project construction would commence with site preparation activities, including demolition and removal of existing structures and site clearing. Demolition material would be recycled or disposed of at approved facilities. Once the project site has been cleared, concrete foundations would be installed to support the buildings and equipment. Building materials and equipment modules would be delivered by truck and installed using cranes. Plant modules and systems would be connected, tested and commissioned. Construction is anticipated to last 18 to 24 months and involve 150 to 225 on-site union workers and staff. Construction laydown and staging are anticipated to be included within the Study Area. For interconnection to electricity, natural gas, water supply and wastewater sewer services, utility improvements may be completed by PG&E, Delta Diablo, Contra Costa Water District or other utility providers.

Operation

The proposed project would involve operation of a facility to convert sorted municipal solid waste (MSW) materials that are organic-rich from waste suppliers to low-carbon, renewable hydrogen. The renewable hydrogen produced by the facility is expected to be used in the production of conventional and renewable fuels and for direct use in hydrogen-fuel cell vehicles, particularly heavy-duty trucks and buses.

Facility

The proposed facility would be comprised of an approximately 8,000-square foot office and control building; two outdoor storage silos (approximately 4,000 square feet each); a 13,600-square foot substation yard with electrical switch gear; 3,500 feet of security fencing with restricted gate access; and 110,000 square feet of primary and emergency access roads (See Figure 5). The maximum structure height is not expected to exceed 100 feet.

Site Access

H Cycle would join a maintenance agreement for access rights to existing facilities and roads that are currently controlled by Corteva and Delta Diablo. Primary access would be via Arcy Lane and include an access agreement to the portion of the road owned by Delta Diablo. The existing Corteva gate-controlled access point at the northern end of Arcy Lane would be the main entrance into the project site. Secondary and emergency access would be from the western side of the project site, along Pittsburg Waterfront Road, or from the northern side of the project site, along E 3rd Street.

Truck Trips

Waste feedstock delivery to the proposed facility and return of rejected feedstock would require an average of approximately 23 truck roundtrips per day. Peak volumes may require up to approximately 44 truck roundtrips per day, depending on delivered volumes and whether delivery trucks can be used to backhaul rejected feedstock. The facility is planned to operate 24/7, however, most trucks will enter the facility between 6:00am to 10:00pm Monday to Saturday.

The proposed facility would produce renewable hydrogen and non-hazardous vitrified slag byproduct. Hydrogen produced by the proposed facility would be transported in tube trailers and would require up to approximately 30 truck roundtrips per day. Non-hazardous, vitrified slag byproduct could potentially be repurposed for beneficial use as a roadbed or concrete aggregate, or alternatively, the slag byproduct could be disposed in a landfill. Supplemental supply and disposal truck traffic, including to transport slag byproduct, would require up to approximately 10 truck roundtrips per day.

Hours of Operation

The proposed facility would operate 24 hours each day, seven days per week.

REQUIRED APPROVALS

The proposed project would require the following approvals from the City of Pittsburg:

- Approval of a Conditional Use Permit
- Design Review Approval
- Approval of a Solid Waste Facility Permit

In addition to the City's approvals, subsequent air quality permit approval from the Bay Area Air Quality Management District (BAAQMD), Contra Costa Fire Protection District, CalRecycle, California Department of Transportation, California Department of Fish and Wildlife (CDFW), and Contra Costa Department of Health Services would be required.

EIR SCOPE

In accordance with CEQA Guidelines Section 15161, the EIR will focus primarily on the changes in the environment that could result from the development of the proposed project and will examine all phases of the proposed project including planning, construction, and operation.

The City of Pittsburg has completed an initial review of the project and has determined the following topics will be discussed in the EIR to identify the probable environmental effects of the project:

- **Aesthetics:** The EIR will evaluate the potential of the proposed project to result in significant adverse effects on the existing visual character of the project site and surrounding areas.
- **Agriculture and Forestry Resources:** The EIR will evaluate the potential of the proposed project to result in significant adverse effects on agriculture, farmland, and forest resources, including timberland.
- **Air Quality:** The EIR will describe potential dust, odor, construction and operational project air emissions, resulting from the proposed project including potential for conflict with existing air quality plans, standards, and requirements; potential significant increases in criteria pollutants; and potential significant impacts on sensitive receptors.
- **Biological Resources:** The EIR will evaluate the potential of the proposed project to result in significant impacts on biological resources, including potential impacts on special status species and sensitive habitats; potential interference with wildlife migration; and potential conflicts with biological resource protection plans and policies. The EIR will also analyze the potential for the proposed project to result in impacts to jurisdictional wetlands onsite, if any.
- **Cultural Resources:** The EIR will describe and evaluate the potential of the proposed project to result in any impacts to sensitive cultural and archeological resources that may be present on the project site.
- **Energy:** The EIR will evaluate the potential of the proposed project to result in wasteful, inefficient, or unnecessary consumption of energy resources. The EIR will also include evaluation of the proposed project in light of statewide, regional and local renewable energy and energy efficiency goals and programs.
- **Geology and Soils:** The EIR will describe the potential geologic hazards relevant to the proposed project due to seismic shaking, seismic related ground instability, landslides, soil erosion, expansive soils, and unstable geology.
- **Greenhouse Gas Emissions:** The EIR will evaluate the potential of the proposed project to result in impacts related to project greenhouse gas emissions and the potential for conflict with greenhouse gas emission control plans and policies following State and regional agency guidance. Specifically, the EIR will evaluate the proposed project's compliance with BAAQMD, California Air Resources Board (CARB) and CalRecycle plans and policies.
- **Hazards and Hazardous Materials:** Existing regulations and standards will likely limit the potential for impacts from project hazards and hazardous materials. The EIR will evaluate whether there exists any evidence of a past release of hazardous materials on the project site that could create a significant hazard to the public or environment. In addition, the EIR will evaluate whether emissions from the proposed project could have a significant impact on sensitive receptors located near the project site.

- **Hydrology and Water Quality:** The EIR will evaluate whether the proposed project would: violate any water quality standards or otherwise substantially degrade surface or groundwater quality; substantially decrease groundwater supplies or substantially interfere with groundwater recharge; result in substantial erosion or changes in runoff patterns or volume; or conflict with any water quality control plan or sustainable groundwater management plan. The EIR will also evaluate impacts to drainage from the proposed project that could result in localized inundation and a potential release of pollutants.
- **Land Use and Planning:** The EIR will analyze whether the proposed project could cause a significant environmental impact due to conflict with any land use plan, policy or regulation.
- **Mineral Resources:** The EIR will evaluate the potential of the proposed project to result in the loss of availability of a known mineral resource or locally important mineral resource recovery sites.
- **Noise:** The EIR will describe the potential of the proposed project to result in vibration and noise impacts on nearby sensitive uses as a result of construction and long-term operation (traffic, mechanical systems, etc.). The EIR will also describe any related mitigation needs to achieve compliance with applicable noise standards.
- **Population and Housing:** The EIR will evaluate the potential of the proposed project to result in significant impacts on population and housing due to growth in the area as a result of job creation.
- **Public Services:** The EIR will analyze the potential of the proposed project to result in significant impacts to public services including police, fire, and emergency services.
- **Recreation:** The EIR will analyze the potential of the proposed project to result in significant impacts on recreational facilities due to job creation and/or population growth.
- **Transportation:** The EIR will describe the transportation and circulation impacts of the proposed project and evaluate the potential for significant impacts. This section of the EIR will include estimates of the proposed project's vehicle trips, network impacts, evaluation of multi-modal accessibility, and vehicle miles traveled (VMT) in accordance with senate bill (SB) 743.
- **Tribal Cultural Resources:** The EIR will evaluate the potential of the proposed project to result in any impacts to sensitive cultural resources in the project vicinity, if present.
- **Utilities and Service Systems:** The EIR will identify the proposed project's infrastructure demands, including increased water demands, wastewater disposal, and management of solid waste, along with physical changes to the environment that would result from those demands and will evaluate the related potential for significant environmental impacts.
- **Wildfire:** The EIR will evaluate the potential of the proposed project to expose people or structures to significant risks from wildfire.

Statutorily Required Sections

The Statutorily Required Sections chapter of the EIR will summarize potentially significant, unavoidable, significant irreversible, growth-inducing, and cumulative impacts. CEQA Guidelines, Section 15130 requires that an EIR discuss the cumulative and long-term effects of the proposed project that would adversely affect the environment. “Cumulative impacts” are defined as “two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts” (CEQA Guidelines, Section 15355). “Individual effects may be changes resulting from a single project or a number of separate projects” (CEQA Guidelines, Section 15355, subd. [a]). “The cumulative impact from several projects is the change in the environment which results from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects. Cumulative impacts can result from individually minor but collectively significant projects taking place over a period of time” (CEQA Guidelines, Section 15355, subd. [b]).

Alternatives to the Proposed Project

In accordance with CEQA Guidelines Section 15126(a), the EIR will include an Alternatives analysis. The alternatives chapter will evaluate, at a minimum, three alternatives, including the no-project-alternative option. Alternatives will be selected when more information related to the proposed project’s impacts is available so the alternatives can be designed to reduce significant project impacts. Additional alternatives might be developed during preparation of the EIR to respond to identified significant impacts. The Alternatives chapter will describe the alternatives and identify the environmentally superior alternative. The alternatives will be analyzed at a level of detail less than that of the proposed project; however, the analyses will include sufficient detail to allow a meaningful comparison of the impacts. The Alternatives chapter will also include a section of alternatives considered but dismissed. A matrix comparing the impacts of the proposed project to the three alternatives will also be included.

Figure 1 – Regional Location Map



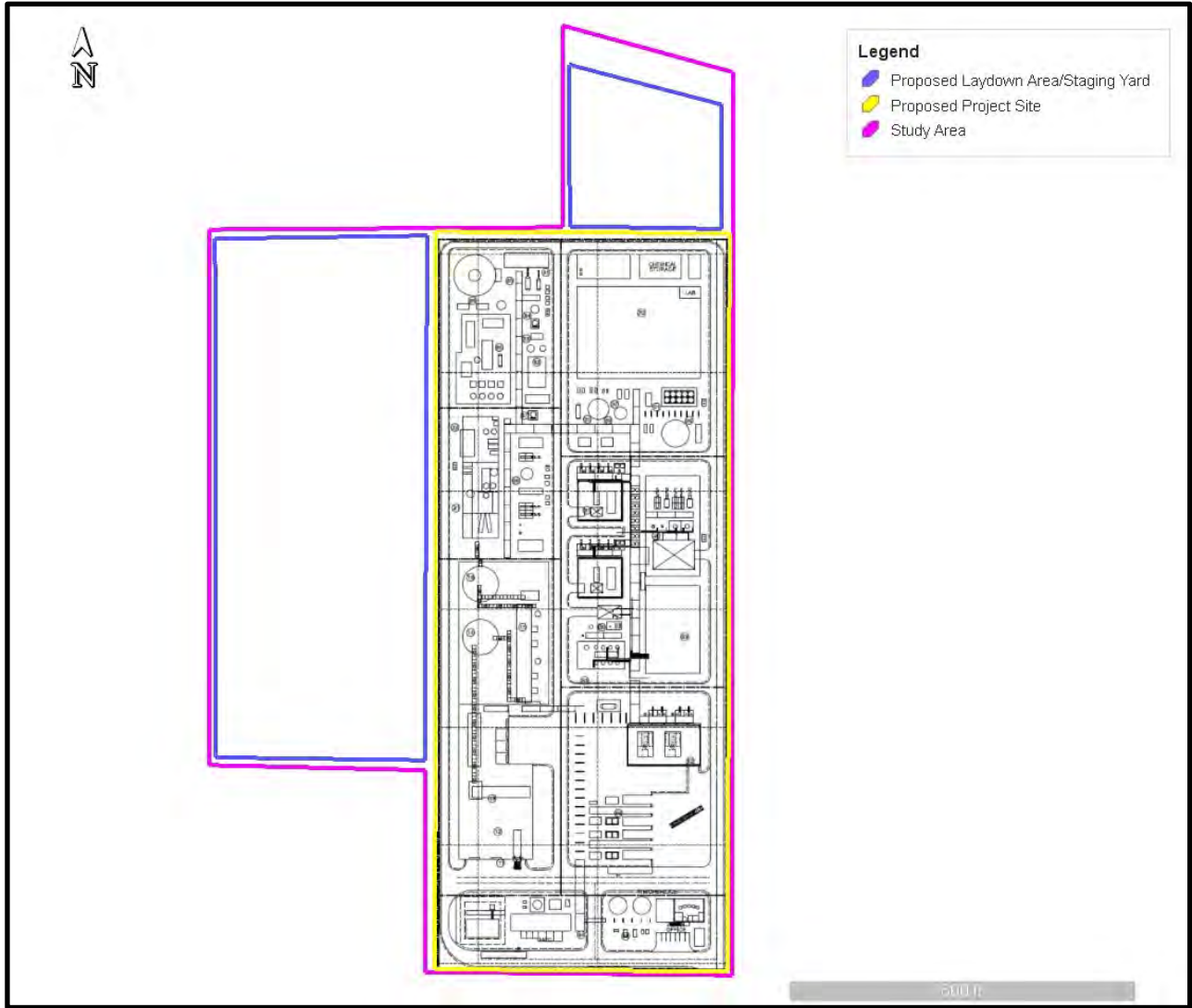
Figure 2 – Project Location and Surrounding Land Uses



Figure 3 – Project Site Boundary

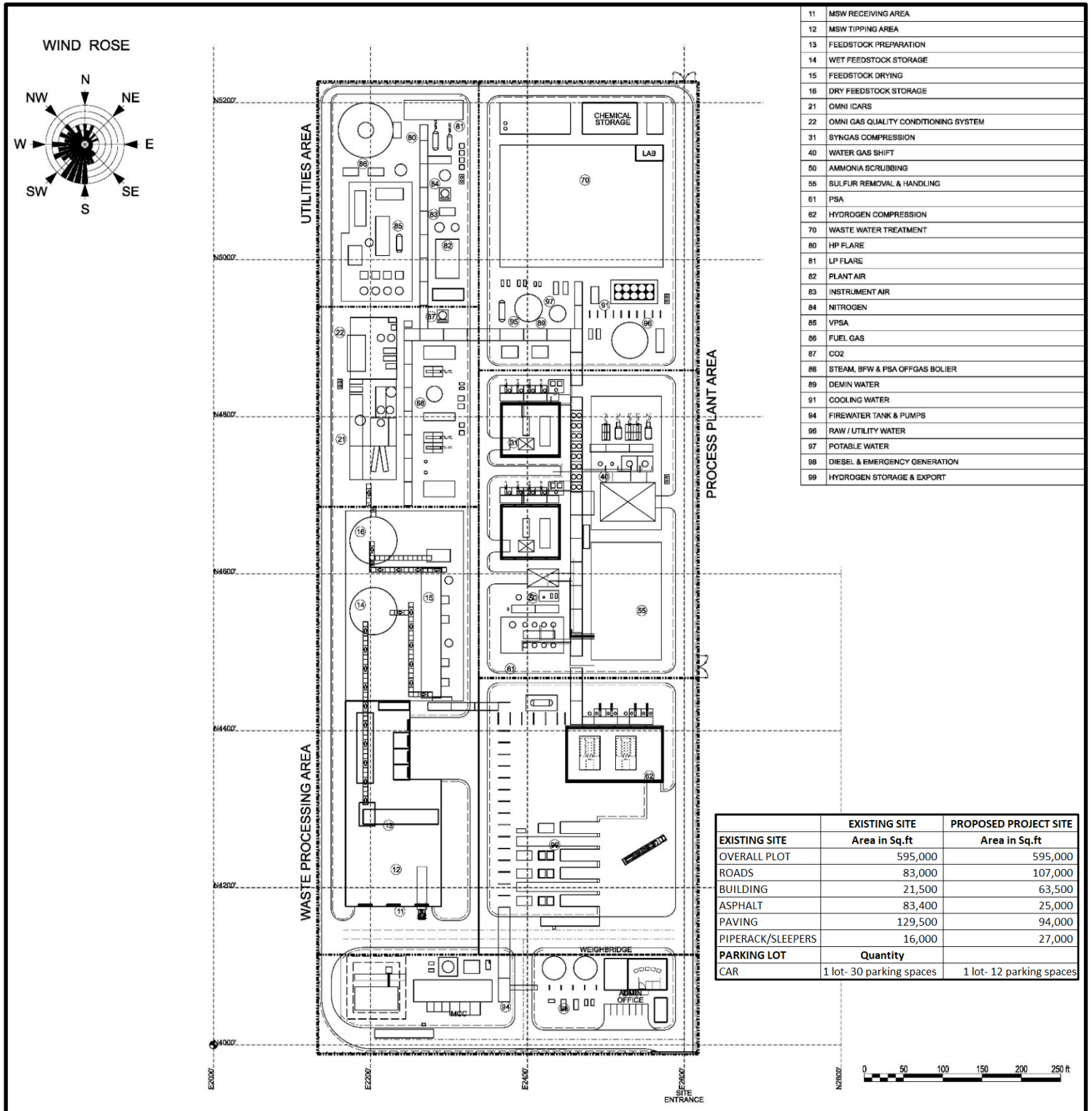


Figure 4 – Project Site Plan



*The Project Site Plan above shows one possible facility layout that is under consideration for siting within the defined Study Area.

Figure 5 – Project Site Plan Detail



*Please Note: Facility Designs and Numerical Estimates included above are approximations.

ATTACHMENT 1
SCOPING SUMMARY
NOTICE OF PREPARATION OF AN ENVIRONMENTAL IMPACT REPORT FOR THE H CYCLE
PITTSBURG RENEWABLE HYDROGEN PROJECT (SCH Number 2023040173)

In accordance with California Environmental Quality Act (CEQA) Guidelines Section 15082, a Notice of Preparation (NOP) for the H Cycle Pittsburg Renewable Hydrogen Project (Project) was circulated to the public, local, State and federal agencies, and other known interested parties for a 30-day public and agency review period from April 10, 2023, to May 10, 2023. The purpose of the NOP was to provide notification that an Environmental Impact Report (EIR) for the Project was being prepared and to solicit public input on the scope and content of the document.

In addition, pursuant to CEQA Guidelines Section 15082, the City held an NOP in-person scoping meeting at 6:00 PM on April 18, 2023, at City Hall located at 65 Civic Avenue in Pittsburg and held an online scoping meeting using Zoom at 11:00 AM on April 19, 2023, for the purpose of receiving comments on the scope of the environmental analysis to be prepared for the Project. Agencies and members of the public were invited to attend and provide input on the scope of the EIR. All comments have been taken into consideration during preparation of the EIR. A summary of the NOP comments received is below.

COMMENTS RECEIVED ON THE NOTICE OF PREPARATION (SCH Number 2023040173)

During the NOP public review period, the City received the following comments:

Three email responses received during the NOP public review period were authored by:

1. COMCAST – Eli Wright
2. Department of Toxic Substances Control – Dave Kereazis
3. Federal Aviation Administration – Christopher D. Jones

Two comment letters received during the NOP public review period were authored by:

1. Delta Diablo – Sean Williams
2. Sierra Club San Francisco – Paul Seger

Three verbal comments received during the online scoping meeting on April 19, 2023, were received by:

1. Bay Area Air Quality Management District – Barry Young
2. Bay Area Air Quality Management District – Brenda Cabral
3. Delta Diablo – Sean Williams

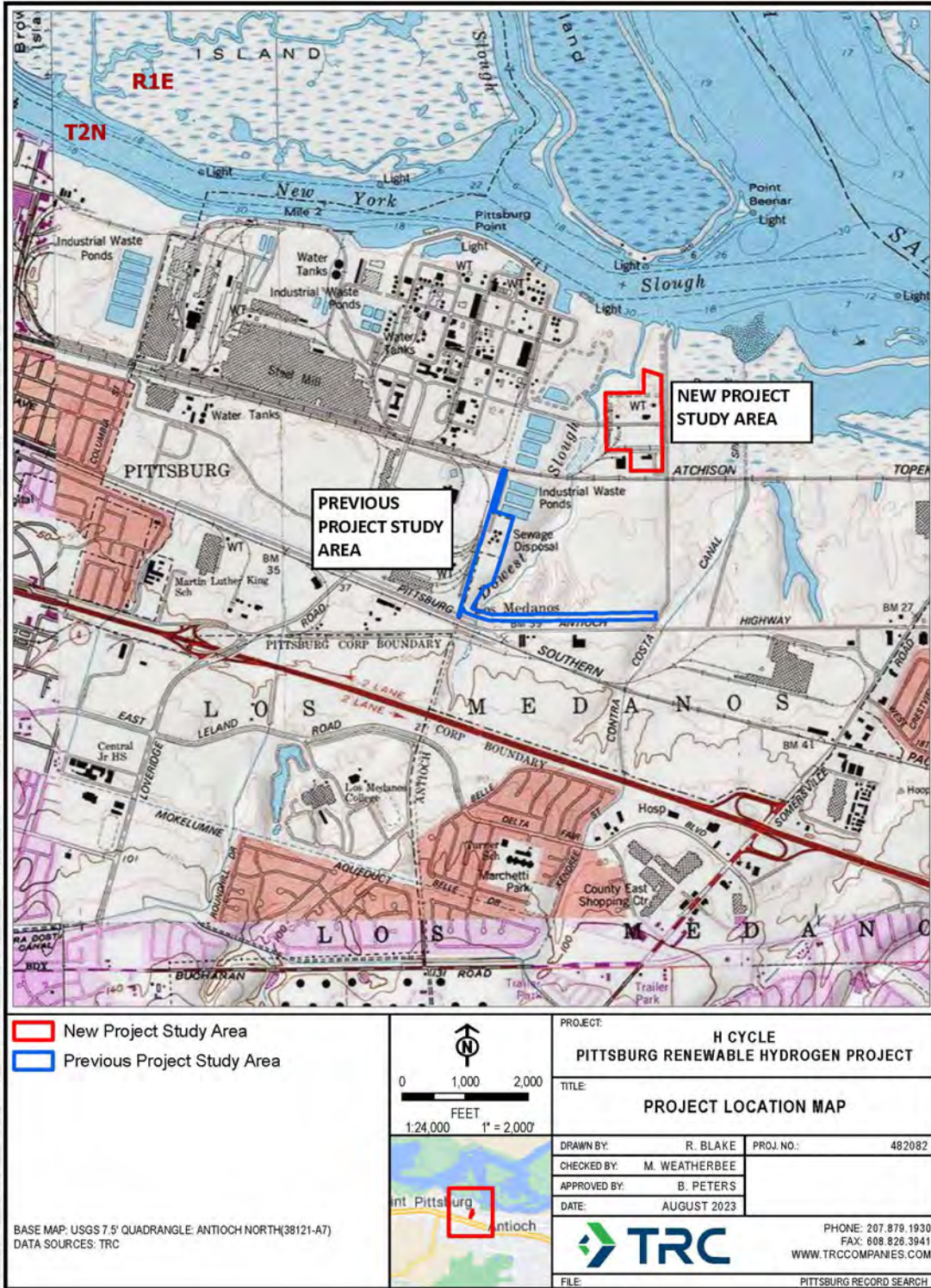
The following list, categorized by issue, summarizes the comments received on the scope of the EIR:

- The Hydrogen production process;
- Feedstocks used in the production of hydrogen;
- Maximum height of the production facility;
- Potential health impacts to nearby residences and disadvantaged communities;
- Transportation associated with Project operations;
- Air emissions associated with the Project;
- Safety of hydrogen production and transportation;
- Electrolysis of water to produce hydrogen;
- Odor associated with the Project;
- Fractions of the Municipal Solid Waste (MSW);
- Waste streams and methods of separation; and
- Water waste discharge.

These topics will be included and analyzed in the Project EIR.

ATTACHMENT 2

REVISED PROJECT STUDY AREA MAP



H-Cycle NOP Scoping Meetings

October 11, 2023 at 10 AM via Zoom for Agencies

Attendees (from City Zoom list):

- Alison Hodgkin
- Kelsey Gunter, City
- Eric Zell, H Cycle
- Ariana Ruiz, City
- Peter Masson, TRC
- BMontague, Delta Stewardship Council
- Megan Good, H Cycle
- Quentin Foster, H Cycle
- John Funderburg, City,
- Alfredo Artedondo, HCycle
- Peter Brydon, HCycle
- Iphone, edgar
- Ryan Atterbury, BAAQMD
- Barry Young, BAAQMD
- Erychel, ?
- Sara Bellefronte, City

1. Project Review

Alison delivered a PowerPoint presentation to review the project, change in project site and history of NOP's for the project.

2. Scoping Comments

Alison noted that the goal of the meeting was to receive comments on the scoping process for the EIR, not on the merits of the project.

Commenters:

- Delta Stewardship Council: Just sitting in and curious about the project.
- Barry Young, BAAQMD: Still in the process of review and will submit comments.

October 12, 2023 at 6 PM

City of Pittsburg City Hall, 3rd Floor Conference Room

Attendees: *Sign in Sheet Attached*

1. Project Review

Alison delivered a PowerPoint presentation to review the project, change in project site and history of NOP's for the project.

2. Scoping Comments

Alison noted that the goal of the meeting was to receive comments on the scoping process for the EIR, not on the merits of the project.

Commenters:

- Tom Hansen, IBEW Local 302: Supporting the project and would like to see it move forward.
- Jamie Gonzalez, Operating Engineers Local 3: Also would like to see the project move forward.
- Andrew Hayes and Angel Greer, Boilermakers Local 549: Support and like to see the green tech coming to the area.
- Filipe Hernandez, UA Local 355: Supporting the project.

Meeting adjourned at approximately 6:30 PM.

SIGN-IN SHEET

H Cycle NOP Scoping Meeting (In-Person)

October 12, 2023, 6:00pm

65 Civic Avenue, Pittsburg CA

1. JAIME GONZALEZ (OPERATING ENGINEERS LOCAL 3) (510) 871-2248
2. Felipe Hernandez UA Local 355 Landscape/Underground
(707) 644-0355 fhernandezrras@net.org
3. TOM HANSEN IBEW 302 tomhansen@ibew302.com 925 270 2302
4. Eric Zell, Zell & Associates, ericzellandassociates.com 510-414-8071
5. Andrew Hayes (Boilermakers Local 549) - (707) 246-0663 - ahayes@BMLocal549.org
6. ALFREDO ARREDONDO (805) 598-9350 - H Cycle
7. Quentin Foster (916) 936-6677 - H Cycle
8. EVAN EDGAR - EDGAR & ASSOCIATES - 916-444-5345
9. Peter Massan, TRC, pmassan@trccomp.com, 925 270 7910
10. Angel Greer Boilermakers Local 549 AngelGreer23@gmail.com
11. Megan Good

From: [PGE Plan Review](#)
To: [Alison Hodgkin](#)
Subject: RE: Revised Notice of Preparation for H Cycle Pittsburg Renewable Hydrogen Project AP-22-0078
Date: Monday, October 16, 2023 12:47:38 PM
Attachments: [image002.png](#)
[image003.jpg](#)
[No_Impact_Response_10-16-2023.pdf](#)

****External Sender: Use caution before opening links or attachments****

Classification: Public

Dear Alison Hodgkin,

Attached is our response to your proposed project.

Thank you,



Pacific Gas and Electric Company
Plan Review Team
Email: pgeplanreview@pge.com

From: Alison Hodgkin <AHodgkin@pittsburgca.gov>
Sent: Thursday, September 14, 2023 4:28 PM
To: Alison Hodgkin <AHodgkin@pittsburgca.gov>
Subject: Revised Notice of Preparation for H Cycle Pittsburg Renewable Hydrogen Project AP-22-0078

CAUTION: EXTERNAL SENDER!

This email was sent from an EXTERNAL source. Do you know this person? Are you expecting this email? Are you expecting any links or attachments? If suspicious, do not click links, open attachments, or provide credentials. Don't delete it. **Report it by using the "Report Phish" button.**

Hello Responsible & Trustee Agencies; Interested Parties,

On April 7, 2023, the City of Pittsburg (City), as lead agency under the California Environmental Quality Act (CEQA), issued a Notice of Preparation (NOP) of an Environmental Impact Report (EIR) for the H Cycle Pittsburg Renewable Hydrogen Project, in accordance with Section 15082 of the State CEQA Guidelines (SCH Number 2023040173). As indicated in the NOP, HC (Contra Costa), LLC, is proposing to construct and operate a renewable hydrogen facility in the City of Pittsburg that would use sorted waste materials as feedstock in a non-combustion thermal conversion process (Project). The NOP response period ended on May 10, 2023, and a Scoping Summary was prepared.

Since issuing the NOP, HC (Contra Costa), LLC, has selected an alternative Project Site/Study Area for the proposed Project.

The attached revised NOP provides sufficient information related to the new Project Study Area and restarts a 30-day public scoping period with the new Project information. The purpose of the revised NOP is

to inform all responsible and trustee agencies that an EIR will be prepared and provide agencies with sufficient information describing both the Project and its potential environmental effects to enable the agencies to make a meaningful response as to the scope and content of the information to be included in the EIR. The City is also soliciting comments on the scope of the EIR from any interested persons.

PUBLIC SCOPING MEETING AND COMMENT SUBMITTAL

Two scoping meetings, open to the public, agencies, and stakeholders, will be held to receive public comments and suggestions on the project. At these meetings, staff will give a brief presentation of the EIR process and will take public comment on the proposed EIR.

The scoping meetings will be open to the public and held at the following locations:

A Zoom scoping meeting will be held:

Date: Wednesday, October 11, 2023

Time: 10:00 AM

Zoom Link: <https://us02web.zoom.us/j/87126735445?pwd=eVdpa1R0WGtmSXpkUTlia0pya3RwUT09>

Meeting ID: 871 2673 5445

Passcode: 510303

An in-person scoping meeting will be held:

Date: Thursday, October 12, 2023

Time: 6:00 PM

Location: Pittsburg City Hall, 1st Floor Conference Room, 65 Civic Avenue, Pittsburg, California 94565

The purpose of the EIR is to provide information about potential significant physical environmental impacts of the H Cycle Renewable Hydrogen Project (proposed project), to identify possible ways to minimize those significant impacts, and to describe and analyze possible alternatives to the proposed project if potential significant impacts are identified.

Preparation of an NOP or EIR does not indicate a decision by the City to approve or disapprove the project. However, prior to making any such decision, the City Council must review and consider the information contained in the EIR. Written comments on the scope of the EIR are encouraged.

Please submit comments by **5:00 PM on October 16, 2023**. Written comments should be sent to Alison Hodgkin, Associate Planner, at 65 Civic Avenue, Pittsburg, California 94565, or via email at ahodgkin@pittsburgca.gov, or via fax at (925) 252-4814.

The revised NOP is also available on-line at:

[NOTICE OF PREPARATION \(pittsburgca.gov\)](#)

Please direct any questions concerning the environmental review of the proposed project to me at ahodgkin@pittsburgca.gov

Thank you,

Alison Hodgkin, AICP

Associate Planner



City of Pittsburg

Community and Economic Development - Planning Division

65 Civic Avenue, Pittsburg, CA 94565

Tel: 925.252.6987 | Fax: 925.252.4814

<https://www.pittsburgca.gov/services/community-development/planning>

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You can read about PG&E's data privacy practices at PGE.com/privacy.

October 16, 2023

Alison Hodgkin
City of Pittsburg
65 Civic Ave
Pittsburg, CA 94565

Re: AP-22-0078
H Cycle Pittsburg Renewable Hydrogen Project

Dear Alison Hodgkin,

Thank you for providing PG&E the opportunity to review the proposed plans for the AP-22-0078 dated 9/14/2023. Our review indicates the proposed improvements do not appear to directly interfere with existing PG&E facilities or impact our easement rights.

Please note this is our preliminary review and PG&E reserves the right for additional future review as needed. This letter shall not in any way alter, modify, or terminate any provision of any existing easement rights. If there are subsequent modifications made to the design, we ask that you resubmit the plans to the email address listed below.

If the project requires PG&E gas or electrical service in the future, please continue to work with PG&E's Service Planning department: <https://www.pge.com/cco/>.

As a reminder, before any digging or excavation occurs, please contact Underground Service Alert (USA) by dialing 811 a minimum of 2 working days prior to commencing any work. This free and independent service will ensure that all existing underground utilities are identified and marked on-site.

If you have any questions regarding our response, please contact the PG&E Plan Review Team at pgeplanreview@pge.com.

Sincerely,

PG&E Plan Review Team
Land Management

From: [Jacob Klein](#)
To: [Alison Hodgkin](#)
Cc: [Paul Seger](#)
Subject: Sierra Club Comments on Revised NOP for H Cycle
Date: Monday, October 16, 2023 11:39:01 AM
Attachments: [Sierra Club Comments on Revised NOP H Cycle.pdf](#)

****External Sender: Use caution before opening links or attachments****

Dear Ms. Hodgkin.

I am submitting Sierra Club's comment on the H Cycle Project on behalf of Paul Seger. Please find our letter attached.

Best,
Jacob

--



Jacob Klein
Organizing Manager
Sierra Club San Francisco Bay Chapter
Pronouns: they/them
Phone (510) 545-2273 | Pacific Time
jacob.klein@sierraclub.org



SIERRA CLUB

SAN FRANCISCO BAY

Serving Alameda, Contra Costa, Marin and San Francisco counties

Alison Hodgkin
65 Civic Avenue
Pittsburg, CA 94565

10/16/23

Sent via electronic mail to: ahodgkin@pittsburgca.gov

Dear Ms. Hodgkin,

The Sierra Club appreciates the opportunity to comment on the Revised Notice of Preparation of an Environmental Impact Report for the H Cycle Pittsburg Renewable Hydrogen Project. Since there seems to be little substantive change to the project beyond a new location, many of our concerns remain the same. Therefore we're resubmitting our previous letter—included below—along with some additional concerns, particularly on air quality and water quality/wastewater.

Air Quality and “Renewability”

Considering that there appears to be little change to the project—including the hydrogen production process and the transport of feedstocks and final products—beyond the relocation of the facility to a site that is further from nearby residential neighborhoods, the implication seems to be that the facility will produce emissions that are harmful to human health. While increased buffer zones can help alleviate the burden, relocation *does not directly address the issue of emissions*. Not only will emissions contribute to the overall cumulative impact of poor air quality in an area with a CalEnviroScreen score of 93, it also contravenes the “renewable” moniker used to describe this hydrogen.

The DEIR must study the emissions from this project and rely on mitigations that reduce said emissions rather than offset. If reductions are not possible, then this project should not be considered a renewable energy project. Additionally, modeling the wind patterns will help reveal where the emissions, including criteria pollutants and toxic particulate matter, will go and who will be impacted by said emissions.

Wastewater Discharge

The DEIR must analyze the potential wastewater discharges from the facility. Municipal solid waste (MSW), due to its nitrogen and phosphorous components, is the leading cause for harmful algae blooms (HABs) in the San Francisco Bay. The HABs in the summers of 2022 and 2023 were enabled by wastewater discharge. Whether in the form of wastewater from the process itself or from the vitrified slag byproduct, any components that could get into water systems and wastewater systems must be



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adequately studied to identify appropriate alternatives or mitigations in order to protect the health of the Bay.

Letter sent 5/10/2023

Dear Ms. Hodgkin,

The Sierra Club appreciates this opportunity to comment on the Notice of Preparation of an Environmental Impact Report for the H Cycle Pittsburg Renewable Hydrogen Project. We have several areas that we would like to be included in the scope of the EIR for analysis in a Draft EIR. Since this area is already a highly impacted area, we hope that a detailed analysis will be undertaken so that the community is not further burdened by environmental impacts.

A hydrogen facility of this kind raises many concerns, particularly since it is being touted as “renewable hydrogen” when there seems to be little basis for said renewability. Bioenergy-based hydrogen production, while relying on organic waste, can still lead to dangerous emissions. Moreover, this hydrogen facility seems to be intended, at least in part, to support the refining of fossil fuels which is extremely harmful to local health and the environment. The Sierra Club only considers renewable hydrogen to be green hydrogen produced through electrolysis of water powered by renewable electricity from wind and solar. Additionally, hydrogen should be reserved for the hardest to electrify sectors with evaluation on a case-by-case basis.

Hydrogen Production

The process of hydrogen production is described as relying on a non-combustion thermal conversion, which we hope will be detailed in the EIR. In other projects that have described their process similarly, that process ultimately bears resemblance to steam-methane reforming, the predominant form of producing hydrogen, otherwise called gray hydrogen on its own or blue hydrogen when accompanied with CCS technology. There are many emissions from this process that can be harmful to public health and the environment, so we request these be fully cataloged and analyzed. Steam methane reformation emits health-harming pollution such as nitrogen oxides, fine particulate matter, and carbon monoxide and these facilities are primarily located in disadvantaged communities already overburdened by air pollution. In nearly all of current hydrogen production, methane gas is used as a feedstock. Methane leakage from producing hydrogen using gas and CCS technologies is of significant concern. The climate effects of methane leakage are often underestimated in hydrogen and methane is a greenhouse gas with a shorter lifetime cycle than carbon dioxide causing an 86 times higher global warming potential over a 20-year period. This is especially concerning in



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light of the IPCC Report calling for a curtailment of greenhouse gas emissions to stave off the worst impacts of climate change by 2030.

Hydrogen itself is an indirect greenhouse gas and thus its impacts need to be considered as well. While it doesn't trap heat, hydrogen, through a series of chemical reactions, increases the concentration of other greenhouse gasses like methane that accelerate the rate of warming. This means that hydrogen itself has a short-lived but powerful impact on the climate, even when produced with renewable energy-powered electrolysis. These are especially important due to any planned or unplanned venting or flaring events that the process may require, a common approach to issues arising in the process or actions taken during startups and shutdowns.

Additionally, more information is required on the feedstocks for this process. Organic waste is a broad category. What kinds of organic waste will be used? Where will it be procured from? How will it be transported? All of these questions, and their potential impacts, need to be addressed. In the calculations for emissions, please include the transportation emissions and compare to organic waste disposal options like composting which are beneficial to air quality and agriculture—and sometimes can be used to support community farm programs.

Another component of production to be addressed is the energy source. If production relies on on-site production, and the system consists of combustion of any fossil fuel, biogas, or biomass, the emissions must be calculated from that. Moreover, what percentage of energy would on-site production provide? If production relies on energy from gas-fired power plants, untracked electricity from the electrical grid, or other non-renewable sources that should preclude the hydrogen's renewability moniker.

The threat of increased pollution is particularly acute when hydrogen producers use electricity from the grid. A hydrogen producer that relies on grid electricity cannot meaningfully claim to use renewable power unless it meets the following conditions: (1) it must support additional renewable electricity on the grid (i.e., renewable electricity that would not have existed on the grid but for the electrolyzer's demand), (2) the renewable electricity must be deliverable to the same balancing authority where the electrolyzer is located, (3) the producer must use the renewable electricity in the same hour that it's delivered onto the grid, and (4) it retires all renewable energy credits (RECs) associated with this electricity. Without all of these guardrails, fossil-fuel power generators will likely ramp up and spew more health-harming pollution into neighboring communities to serve hydrogen producers. About half of the state's gas-fired power plants are located in CalEnviroScreen defined disadvantaged communities. Therefore, any use of grid energy should come from a 100% wind or solar electricity service such as the Community Choice Aggregation (such as MCE'S Deep Green or Local Sol) for renewable energy, with the proper tracking of electricity both in geography and time to



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ensure corresponding renewable energy credits are properly retired. Any use of grid energy should not interfere with the grid's reliability to provide power for the community.

It should also be noted that hydrogen production is, ultimately, an inefficient use of energy when taking the energy lifecycle into account.

In the NOP, there is mention of a vitrified slag byproduct which the DEIR should explore the composition of and potential impacts. Byproducts from oil refining processes, like petroleum coke, can have properties similar to coal and emit dust composed of particulate matter 2.5 and toxic chemicals, both of which are incredibly harmful to public health. Moreover, these particles can get into waterways and cause environmental harm as well. This site is close to multiple sloughs that connect to the San Francisco Bay, which is a sensitive and critically important ecosystem.

Transportation

The DEIR must include analysis of the transportation of feedstocks (mentioned above), the production (hydrogen, or whatever transportation-safe version), and byproducts. The NOP describes at least 44 truck trips per day. The emissions from vehicles must be taken into account as diesel-powered trucks in particular emit harmful diesel particulate matter. Trucking hydrogen also represents a safety risk to communities and roadways because tube trailers would contain a highly flammable and explosive material.

Pipelines also represent a significant challenge for transporting hydrogen since hydrogen should not be blended into existing gas pipeline infrastructure in order to prevent embrittlement of the steel pipes. With 96% of existing gas transmission pipelines being steel, they are susceptible to hydrogen embrittlement which could lead to leakages. Hydrogen could escape into the atmosphere to act as an indirect greenhouse gas, or catch fire and cause danger. New pipeline construction can also pose many challenges and harm communities so would require its own siting and community engagement processes. As hydrogen is also a very small and slippery molecule and leaks easily into the atmosphere. Any rapid expansion of hydrogen infrastructure (pipelines, trucks, storage tanks, etc.) would increase the opportunity for hydrogen to leak. Because of the inherent climate risk posed by hydrogen use, this analysis must include plans for robust leak detection and monitoring to prevent or swiftly repair leaks of any size.

Hydrogen Usage

The NOP points to a few different end-uses. If all of them are possible, they must all be studied. Any information that can confirm the end-use of the hydrogen should be shared with the community as part of the CEQA process as well.



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Hydrogen that gets used for fossil fuel refining should be considered along with refinery emissions as comprehensive emissions, rather than fully separate projects. Hydrogen that continues the life of fossil fuel refining does not represent renewable energy and thus further harm to the environment and to public health.

If the hydrogen is intended for use in transportation, the priority should be for the hardest to electrify sectors such as maritime and long-haul trucking (over 250 miles per day) rather than for passenger vehicles or short-haul trucking (e.g. drayage trucks) which are already being electrified.

Under no circumstances should hydrogen be considered for use in buildings.

Environmental Justice

The proposed site is barely 1000 feet away from residences, so the local community must be engaged and informed on the impacts from this project. This community is already overburdened with a CalEnviroScreen score of 93. The project could compound already high rates of pollution burden (ozone, DPM, toxic releases), groundwater threats (particularly as sea level rise can lead to groundwater intrusions), and health impacts (high asthma rates, low birth rate, high rates of cardiovascular disease) especially on the low-income communities and communities of color. All of these impacts must be taken into account and adequate plans to successfully mitigate these risks must be developed.

Project Alternatives

The CEQA process requires project alternatives as part of the review process. A project alternative that should be considered both for CEQA analysis comparison and as a legitimate option would be to produce hydrogen through electrolysis of water using renewable energy sources such as wind and solar. This site has nearby open space that could potentially be used for photovoltaic solar panels. There is also a nearby water sanitation district and the Bay itself. Research shows the potential use of wastewater and salt water as the water feedstock for electrolytic hydrogen, to alleviate concerns about fresh, potable water use. Due to this emerging research, we also request a water risk assessment for the area and the production site for any version of the project going forward.

While some hydrogen producers claim that electrolytic hydrogen is too expensive or too difficult to scale, if this site is receiving public funding, those funds should be used to explore cleaner, greener hydrogen rather than perpetuating the reliance on fossil fuel-



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based energy. Communities like Oakland¹ and Los Angeles,² both of which are members of the ARCHES program, have committed to support only green electrolytic hydrogen.

Conclusion

Thank you again for the opportunity to comment on the Notice of Preparation. We have many concerns about this project and its potential impacts. We hope you will take them into consideration as you draft the Environmental Impact Report.

Sincerely,

Paul Seger, Chair
Sierra Club, Delta Group

¹ Oakland resolution: <https://oakland.legistar.com/LegislationDetail.aspx?ID=5959035&GUID=74C69641-8832-4E17-ADE7-FEF91A234FD1&Options=&Search=>

² Los Angeles resolution: https://clkrep.lacity.org/onlinedocs/2022/22-0255_mot_03-04-22.pdf

Appendix B:
Air Quality and Greenhouse Gas Calculations (B.1)
Health Risk Assessment Methodology (B.2)

**H Cycle Pittsburgh
Renewable Hydrogen Project**

**Appendix B.1
Air Quality and Greenhouse Gas
Emissions Calculations**

January 2024

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B.1.1 INTRODUCTION

This appendix contains details on the emissions of criteria air pollutants (CAPs), toxic air contaminants (TACs), and greenhouse gases (GHGs) for the proposed H Cycle Pittsburg Renewable Hydrogen Project. A discussion of CAP emissions methods is followed by a discussion of the TAC emissions methods. GHG emissions calculations methods are also described and include indirect GHG emissions sources. The methods of emissions analysis for operations were developed based on methods approved by the California Air Resources Board (CARB) and the Bay Area Quality Management District (BAAQMD), and United States Environmental Protection Agency (EPA) guidance. The BAAQMD will prepare an Engineering Evaluation (EE) of the Authority to Construct and Permit to Operate (ATC/PTO) application where they will verify the emissions estimates calculations that HC (Contra Costa), LLC (Applicant) submitted to the BAAQMD for the project. The following attachments contain the construction and operation CAP, TAC, and GHG emissions calculations for the project:

- Criterial Air Pollutants Emissions Summary
- Cumulative Increase
- Toxics Summary
- Operations Greenhous Gas Emissions Summary Table
- Facility Operating Schedule and Throughput
- S-1 Feedstock Preparation Building
- S-5 Wet Feedstock Silo
- S-10 Dryer
- S-15 Dried Feedstock Silo
- S-25 OMNI Conversion Unit SRM and Refiner NG Burners
- S-30 Ash and Slag Handling, Crushing and Storage
- S-36 Flare
- S-36 Flared Gas TAC Characterization
- S-40 Natural Gas and Pressure Swing Adsorption Offgas-fired Boiler
- S-75 Emergency Diesel Generator
- S-80 Firewater Pump
- S-85 Cooling Water Tower
- S-90 Wastewater Treatment Plant
- Piping Equipment Fugitive GHGs
- Stockpiling Fugitive GHGs
- CalEEMod Reports (CAP/TAC/GHG)
 - Construction On-road Mobile Transportation Sources
 - Constriction Off-road Mobile Equipment Sources
 - Operations On-road Mobile Transportation Sources
 - Operations Off-road Mobile Equipment Sources

These attachments are included at the end of this appendix.

B.1.2 PROJECT CONSTRUCTION EMISSIONS

Construction of the project is a temporary activity, requiring the use of different types of heavy construction equipment that will generate CAPs, TACs, and GHGs. Construction-related emissions sources include:

- On-road construction-related vehicles and equipment (including deliveries of construction-related materials, hauling of waste materials from the construction site)
- Off-road diesel-powered construction equipment (cranes, dump trucks, cement trucks, front end loaders, bulldozers, backhoes, and other heavy equipment)
- Fugitive dust emissions
- Construction worker commute trips

As recommended by the BAAQMD, construction emissions and operational mobile source emissions of CAPs, TACs, and GHGs were modeled and quantified using the California Emissions Estimator Model (CalEEMod) Version 2022.1.1.0. CalEEMod is a computer program that quantifies construction emissions associated with land use projects. It uses CARB-approved emission factors and models [OFFROAD for estimating off-road construction equipment; EMFAC for estimating on-road vehicle trip emissions; California Statewide Travel Demand Model (CSTDM) for providing default trip lengths)].

B.1.3 PROJECT OPERATION STATIONARY SOURCE EMISSIONS

Operation of the project will result in emissions from the stationary sources shown in Table B.1-1 with their BAAQMD source number.

Table B.1-1: Project Operation Stationary Source Emissions

BAAQMD Source No.	Emissions Source Description
S-1	Feedstock Preparation Bldg.
S-5	Wet Feedstock Storage Silo
S-10	Feedstock Dryer
S-15	Dry Feedstock Storage Silo
S-25	OMNI GPRS™ ICARS
S-30	Slag & Ash Handling, Crushing, & Storage
S-35	Hydrogen Production Unit
S-36	Flare
S-40	Boiler
S-75	Emergency Generator - Diesel

Table B.1-1: Project Operation Stationary Source Emissions

BAAQMD Source No.	Emissions Source Description
S-80	Firewater Pump - Diesel
S-85	Wet Cooling Tower
N/A	Fugitive Equipment (valves, flanges, pumps, etc.)
<i>N/A = not applicable</i>	

Emissions were calculated for each stationary source using standard, approved CARB and BAAQMD methodologies, and EPA guidance as follows:

B.1.3.1 S-1 Feedstock Preparation Building

S-1 will receive raw feedstock and particulate matter (PM) emissions occur when material is dropped from one transfer point to another. These emissions are from waste feedstock tipping, transfer, and sorting and were calculated using the maximum throughput of 110 tons/hour. The emission factor was calculated using Equation 1 in Chapter 13.2.4 of EPA’s “AP-42: Compilation of Air Emissions Factors” and data for uncontrolled PM emissions factors. These factors were used to calculate shredder and fine screening emissions. The volatile organic compound (VOC) and TAC emission factors used are a weighted average of green and food waste stockpile emission factors obtained from Source Testing (NTV-2145) at Napa Recycling and Waste Services (BAAQMD Plant # 17403) weighted by the ratio of typical ratio food waste and green waste expected in the feedstock.

B.1.3.2 S-5 Wet Feedstock Storage Silo

S-5 will store biodegradable wet feedstock after sorting and processing in S-1. PM emissions from material transfer occur when material is dropped from one transfer point to another. PM transfer emissions were calculated using Equation 1 in Chapter 13.2.4 of EPA’s “AP-42: Compilation of Air Emissions Factors” and data for uncontrolled PM emissions factors. The VOC and TAC emission factors used are a weighted average of green and food waste stockpile emission factors obtained from Source Testing (NTV-2145) at Napa Recycling and Waste Services (BAAQMD Plant # 17403) weighted by the ratio of typical ratio food waste and green waste expected in the feedstock.

B.1.3.3 S-10 Feedstock Dryer

S-10 uses warm air to remove moisture from the prepared wet feedstock in a low temperature belt dryer. PM emissions from material transfer occur when material is dropped from one transfer point to another. PM transfer emissions were calculated using Equation 1 in Chapter 13.2.4 of EPA’s “AP-42: Compilation of Air Emissions Factors” and data for uncontrolled PM emissions factors. The VOC parameters used in the calculations were provided by the Dryer manufacturer. The TAC emission factors used are a weighted average of green and food waste stockpile emission factors obtained from Source Testing (NTV-2145) at Napa Recycling and Waste Services (BAAQMD Plant # 17403) weighted by the ratio of typical ratio food waste and green waste expected in the feedstock.

B.1.3.4 S-15 Dry Feedstock Storage Silo

S-15 will store prepared feedstock after sorting and processing in S-1, storage in S-5, and drying in S-10. PM emissions from material transfer occur when material is dropped from one transfer point to another. PM transfer emissions were calculated using Equation 1 in Chapter 13.2.4 of EPA's "AP-42: Compilation of Air Emissions Factors" and data for uncontrolled PM emissions factors. The VOC and TAC emission factors used are a weighted average of green and food waste stockpile emission factors obtained from Source Testing (NTV-2145) at Napa Recycling and Waste Services (BAAQMD Plant # 17403) weighted by the ratio of typical ratio food waste and green waste expected in the feedstock.

B.1.3.5 S-25 OMNI Conversion Unit Solid Residue Melter and Refiner Natural Gas Burners

S-25 is a Waste-to-Syngas conversion unit which includes a feeder, converter, carbon recovery vessel, Solid Residue Melter (SRM), cyclones, refining chamber, recuperator, slag removal unit, and natural gas-fired burners in SRM and refining chamber. Emissions during normal operation have been estimated along with the S-40 Boiler's emissions because the SRM and refining chamber burner combustion flue gas will be routed along with the syngas through the syngas treatment system and S-40 to the S-40 air pollution control system and then vented to atmosphere through a common stack. The S-40 Boiler's worksheet contains total emissions from S-40 and S-25 during normal operation. During startup and shutdown events, natural gas combustion emissions will be vented to the atmosphere through heat up stack or flare, depending on phase of the startup or shutdown. TAC emission factors for S-25 are from Table A-1.1 Boilers - Natural Gas Fuel, No Add-On Emission Control in the BAAQMD Toxic Air Contaminant (TAC) Emission Factor Guidelines, Appendix A, Default TAC Emission Factors for Specific Source Categories, August 2020.

B.1.3.6 S-30 Ash and Slag Handling, Crushing, and Storage

S-30 includes ash and slag conveying, cooling, crushing, storage and loading transfer processes. PM emissions from material transfer, crushing, and wind erosion were calculated using Equation 1 in Chapter 13.2.4 of EPA's "AP-42: Compilation of Air Emissions Factors" and data for uncontrolled PM emissions factors. The material moisture content of 3.6% was taken from AP-42 Chapter 13.2.4, Table 13.2.4-1, for slag at a municipal solid waste (MSW) landfill. TAC emissions are based on component concentration in slag on percent by weight basis as determined by HC (Contra Costa), LLC from the slag assay.

B.1.3.7 S-36 Flare

S-36 has a natural gas combustion pilot, and will be used to combust off-spec syngas during startups, shutdowns, and process upsets. CAP emission were calculated using emission factors for flared syngas from in Table 13.5-1 (nitrogen oxides [NO_x] emissions) for elevated flares, Table 13.5-2 (carbon monoxide [CO] emissions) for elevated flares, Table 13.5-1 (VOC emissions) for enclosed ground flares, Table 2.4-4 (PM₁₀ and PM_{2.5} emissions). CAP emissions were calculated for the natural gas pilot, flared syngas, total flare emissions excluding excess hydrogen flaring, excess hydrogen

flaring, and startup and shutdown flaring events. TAC emissions from the combustion of natural gas are from Table A-1.1 Boilers - Natural Gas Fuel, No Add-On Emission Control in the BAAQMD Toxic Air Contaminant (TAC) Emission Factor Guidelines, Appendix A, Default TAC Emission Factors for Specific Source Categories, August 2020. The TAC emission factors from low pressure and high pressure flare gas combustion are estimated using a flare gas speciation profile obtained from process simulation and assumed abatement efficiency of the flare.

B.1.3.8 S-40 Natural Gas and Pressure Swing Adsorption Offgas-Fired Boiler

S-40 is a boiler that uses natural gas and pressure swing adsorption (PSA) offgas as fuel. The boiler will provide steam to various users in the processing of the feedstock into product hydrogen. The maximum heat input during normal operation, which includes natural gas combustion in the SRM and refining chamber burners as mentioned above for S-25, is 45.0 million British thermal units per hour (MMBtu/hour) for natural gas and 20.0 MMBtu/hour for PSA offgas, for a combined firing rate of 65 MMBtu/hour. During startup and shutdown events, S-40 will combust 60.0 MMBtu/hour of only natural gas. The emissions factors in pounds (lb) pollutant/MMBtu were derived based on the molecular weights of NO_x, CO, VOC (as methane), sulfur, and SO₂. S-40 TAC emissions from the combustion of natural gas are from Table A-1.1 Boilers - Natural Gas Fuel, No Add-On Emission Control in the BAAQMD Toxic Air Contaminant (TAC) Emission Factor Guidelines, Appendix A, Default TAC Emission Factors for Specific Source Categories, August 2020. The TAC emission factors for PSA offgas combustion are estimated using a syngas speciation profile obtained from process simulation and the assumed abatement efficiency of a gas treatment system and the boiler.

B.1.3.9 S-75 Emergency Power Diesel Generator

S-75 is a diesel-fired internal combustion engine-generator set to provide electricity for emergency use. Abatement for engine emissions includes diesel particulate filter (DPF), oxidation catalyst, and selective catalytic reduction (SCR). Emissions factors used for NMHC+NO_x, NO_x, particulate organic carbon (POC), CO, PM₁₀/PM_{2.5}/DPM, and SO₂ are from CARB/EPA Certification of Tier 2 Certified Unabated Emission Rate and were used to calculate hourly, daily, and annual emissions. In addition to 50 hours per year of testing and maintenance, the emissions estimates include 100 hours per year of emergency operation in accordance with BAAQMD requirements.

B.1.3.10 S-80 Firewater Pump

S-80 is a diesel-fired internal combustion engine for emergency use to operate firewater pump. Abatement for engine emissions includes DPF, oxidation catalyst, and SCR. Emissions factors used for NMHC+NO_x, NO_x, POC, CO, PM₁₀/PM_{2.5}/DPM, and SO₂ are from CARB/EPA Certification of Tier 3 Certified Unabated Emission Rate and were used to calculate hourly, daily, and annual emissions.

B.1.3.11 S-85 Cooling Tower

S-85 will provide cooling water to be recirculated through heat exchangers to cool various process units and process streams. The cooling tower will not be used for evaporative cooling of process water. Pursuant to Regulation 2-1-128.4, S-85 is exempt from permitting. However, hourly, daily, and annual PM, PM₁₀, and PM_{2.5} emissions were calculated.

B.1.3.12 Fugitive Equipment Emissions

Fugitive equipment includes valves, flanges, piping connections, pump seals, compressor seals, pressure relief devices, and process drains. VOC/POC emissions were calculated using the California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities published by the California Air Pollution Control Officers Association and CARB.

B.1.4 PROJECT OPERATION MOBILE SOURCE EMISSIONS

In addition to stationary sources, project operation will also result in motor vehicle trips from the following activities:

- Motor vehicle (truck) deliveries of feedstock
- Motor vehicle (truck) shipments of return screened feedstock
- Motor vehicle (truck) shipments of product hydrogen
- Motor vehicle (truck) shipments of outbound refuse, ash, slag, liquid fertilizer byproduct, plus deliveries of backup oxygen, water treatment chemicals, spare and replacement parts and other consumables or disposal materials
- Motor vehicles (pickup trucks) used onsite
- Off-road heavy equipment (front end loader) used onsite
- Worker motor vehicle commute round trips

As recommended by the BAAQMD, emissions from project operation mobile sources were modeled and quantified using the California Emissions Estimator Model (CalEEMod) Version 2022.1.1.0. CalEEMod is a computer program that quantifies construction emissions associated with land use projects. It uses CARB-approved emission factors and models (OFFROAD for estimating off-road construction equipment; EMFAC for estimating on-road vehicle trip emissions; CSTDM for providing default trip lengths).

B.1.5 GREENHOUSE GAS EMISSIONS

GHGs would be emitted during project construction from sources such as earth-moving equipment, cranes, and other heavy construction equipment. GHGs will also be emitted as a result of project operations, and from indirect operational emissions sources such as purchase of electricity generated offsite from the project location.

Construction-related GHG emissions were estimated using BAAQMD-approved methodologies. As recommended by the BAAQMD, construction emissions were modeled and quantified using the California CalEEMod Version 2022.1.1.0. GHG emissions from project operation stationary sources were calculated using CARB, BAAQMD, and EPA approved methodologies. GHG emissions from project operation mobile sources were calculated using CalEEMod. Operations estimates include maximum daily and annual carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and carbon dioxide equivalent (CO₂e) emissions from operations-related activities.

B.1.6 AVOIDED LANDFILL METHANE EMISSIONS

When waste materials are landfilled, they undergo anaerobic digestion resulting in generation of methane biogas. Many landfills in the United States are fitted with landfill collection systems, which capture a portion of the biogas for either flaring or power generation. Methane that is not captured by the system is referred to as “leaked methane” and comprises the majority of GHG emissions resulting from landfilling of municipal solid waste given methane’s high Global Warming Potential (with up to 25 to 84 times the impact of carbon dioxide).

Municipal solid waste materials have several components including food waste, yard waste, paper waste, lumber, and textiles. Each of these subtypes decomposes differently in a landfill and therefore provides a different quantity of methane emissions. Because of these different quantities of methane released from the subtypes of waste, different factors are used to determine the emission reduction factor on a CO₂ equivalent basis for the various subtypes of waste processed at the HC (Contra Costa), LLC facility.

Because the HC (Contra Costa), LLC facility diverts waste that would normally be landfilled, an Emission Reduction Factor (ERF) in the units of ton CO₂/ton MSW by waste subtype and quantity is used to determine overall avoided emissions.

The project will incorporate a Project Feedstock Design Feature (PFDF) that was used to offset a significant portion of the annual GHG emissions resulting from project operation. The PFDF is based on the SB1383 Article 2 Application that HC (Contra Costa), LLC submitted to CalRecycle in July 2023. In the application, HC (Contra Costa), LLC documents the methodology utilized to determine the ERF of its process utilizing a variety of feedstocks. This application laid out a methodology for how the ERF is calculated for a generic facility deploying the HC (Contra Costa), LLC technology. HC (Contra Costa), LLC developed three illustrative cases based on HC (Contra Costa), LLC’s contracting efforts for waste, characterized as low, medium and high moisture.

There are four primary drivers of the Emission Reduction Factor (ERF):

- **Process Emissions:** determined by summing process energy emissions, chemical use emissions and fugitive emissions.
- **Emission Avoidance:** determined directly from the "Landfill Emission Reduction Factor Tool for Section 18983.2" produced by CARB.

- **Product Displacement:** Per SB1383 regulations, a baseline must be determined showcasing the GHG emissions resulting from “the manufacturing and use of the product(s) that your product could replace.”
- **Transportation Emissions:** the process has three primary sources of emissions from transportation:
 - Transportation of hydrogen product to customer
 - Transportation of slag to a landfill (or customer)
 - Transportation of waste feedstock to the HC (Contra Costa), LLC facility – this is ignored as the distance traveled for waste to the landfill is similar to the distance traveled to a HC (Contra Costa), LLC facility

The calculations for the selected PFDF and the resulting ERF of 0.31 ton CO₂/ton MSW fed are shown in the table below:

Table B.1-2: Project Feedstock Emission Reduction Factor Calculation

Waste Material	Wt% as-fed	Carbon Intensity (ton CO ₂ /ton MSW as-fed) (Source: CARB T1 OW)
Food	24.0%	0.30
Paper	34.1%	0.51
Yard Waste	3.8%	0.15
Wood / C&D	18.1%	0.30
Plastic	2.9%	(2.62)
Fines / MO	4.1%	0.53
Textiles	11.9%	0.50
Inert	1.1%	
	100.0%	
Weighted average Emission Reduction Factor (ERF)	0.31	
As-received (wet) (TPD)	390	
Material removed (TPD)	74.1	
Material remaining (TPD)	315.9	
CO ₂ emission reduction tonnes/day)	98.40	
Capacity factor	93%	
Days per year	365.25	
CO ₂ reduction from methane avoidance tonnes /year	33,423.44	

B.1.7 INDIRECT PROJECT OPERATION EMISSIONS

The following are the indirect GHG emissions associated with the project:

- Purchased electricity for process operations
- Electricity consumption from purchased water for process operations
- Electricity consumption from offsite wastewater treatment plant processing

B.1.7.1 Purchased Electricity

Indirect greenhouse gas emissions from usage of purchased electricity from the Marin Clean Energy (MCE) portfolio were calculated as explained as follows. Carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) are emitted to the atmosphere when fossil fuels are combusted to generate electricity. Guidance issued by the EPA Center for Corporate Climate Leadership provided the basic calculation methodology for estimating indirect GHG emissions from purchased electricity used in this analysis. Since the proposed Project will purchase electricity from the MCE portfolio, specific MCE emission factors were used.

Calculation Steps

Step 1: Determine the annual quantity of electricity purchased in megawatt-hours per year (MWh/yr).

- Annual Purchased Quantity = 94,000 MWh/yr

Step 2: Determine the appropriate emission factor to use.

- The CO₂ emission factor was obtained from data reported to the California Energy Commission under the Power Disclosure Program by MCE for 2021. This program requires retail suppliers of electricity to disclose the mix of sources used to provide electricity service during the previous calendar year. When a retail supplier of electricity offers more than one electricity portfolio for purchase, the retail supplier must provide information specific to each electricity portfolio offered. This information is provided on a Power Content Label, and the 2021 is presented below.

Table B.1-3: 2021 MCE Power Content Label

2021 POWER CONTENT LABEL									
MCE									
mceCleanEnergy.org/energy-sources									
Greenhouse Gas Emissions Intensity (lbs CO ₂ e/MWh)					Energy Resources				
2021 MCE Light Green Power Mix	2021 MCE Deep Green Power Mix	2021 MCE Local Sol Power Mix	2021 MCE Green Access Power Mix	2021 CA Utility Average					
75	0	0	0	456	Eligible Renewable ¹				
					60.5%				
					6.1%	0.0%	0.0%	0.0%	2.3%
					5.6%	0.0%	0.0%	0.0%	4.8%
					1.4%	0.0%	0.0%	0.0%	1.0%
					31.3%	50.0%	100.0%	100.0%	14.2%
					16.0%	50.0%	0.0%	0.0%	11.4%
					0.0%	0.0%	0.0%	0.0%	3.0%
					36.8%	0.0%	0.0%	0.0%	9.2%
					0.0%	0.0%	0.0%	0.0%	37.9%
					0.9%	0.0%	0.0%	0.0%	9.3%
					0.1%	0.0%	0.0%	0.0%	0.2%
					1.7%	0.0%	0.0%	0.0%	6.8%
					100.0%	100.0%	100.0%	100.0%	100.0%
					Percentage of Retail Sales Covered by Retired Unbundled RECs ³ :				
¹ The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. ³ Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above.									
For specific information about this electricity portfolio, contact:					MCE 1 (888) 632-3674				
For general information about the Power Content Label, visit:					http://www.energy.ca.gov/pci/				
For additional questions, please contact the California Energy Commission at:					Toll-free in California: 844-454-2906 Outside California: 916-653-0237				

- The selected emission factor is based on the 2021 MCE Light Green Power Mix, which is 75 lb CO₂e/MWh. This is the most conservative emission factor in the MCE electricity portfolio.

Step 3: Calculate Estimated Emissions

- For CO₂e: Emissions = Electricity x Emission Factor = 94,000 MWh/yr x 75 lb CO₂e/MWh
 - CO₂e emissions = 7,050,000 lb/yr = 3,198 Metric tons of CO₂ equivalent per year (MTCO₂e/yr)

B.1.7.2 Purchased Municipal Water

Indirect GHG emissions resulting from usage of purchased water from Diablo Water District (DWD) were calculated as explained as follows. The extraction, conveyance, pretreatment, and distribution of water consumes electricity, resulting in the generation of GHG emissions. Energy intensity is a measure of the quantity of energy used to produce a unit of product or output.

For purchased municipal water, the energy intensity is the amount of electricity used in kWh per gallon of water purchased. The analysis data provided in Table 7-2 “Water Supply Energy Intensity by Water Supply Process” in the DWD 2020 Urban Water Management Plan states that the total amount of the energy expended to move water from its source to the point of delivery (extraction/conveyance, treatment, and distribution) is 2,636 kilo-watt hours per million gallons (kWh/MMgal). Note Table 7-2 uses kWh/MMG to express kilo-watt hours per million gallons.

Table B.1-4: Water Supply Energy Intensity by Water Supply Process¹

	Extract/ Conveyance	Treatment	Distribution	Total Utility
Volume of Water Entering Process (MG)	250	250	250	250
Energy Consumed (kWh)	425,049 ²	12,241 ³	221,690 ⁴	658,980
Energy Intensity (kWh/MG)	1,700	49	887	2,636

Notes:

¹ Approximately 88% of the District’s supply is from the Randall-Bold WTP operated by CCWD and not under the District’s operational control. Energy consumed for surface water conveyance to Randall-Bold WTP, treatment at Randall-Bold WTP, and distribution from Randall-Bold WTP using high service pumps is not included.

² Includes energy consumed at Glen Park Well Station and Stonecreek Well Station in 2020.

³ Includes energy consumed at the Blending Facility at Randall-Bold WTP in 2020.

⁴ Includes energy consumed at the Corp Yard Pump Station in 2020.

Diablo Water District Wastewater Treatment Processing Purchased Electricity Emission Factor

The emissions factor (lb CO₂/MWh) for the indirect GHG emissions caused by usage of purchased electricity by DWD from Pacific Gas and Electric (PG&E) were calculated as follows. Since DWD purchases electricity from PG&E, specific PG&E emission factors were used.

The CO₂ emission factor was derived using data reported by PG&E to the California Air Resources Board from PG&E-owned power generation facilities for Reporting Years 2019, 2020, and 2021. GHG emission data for PG&E from Reporting Year 2021 shows that 99.9% of all PG&E GHG emissions were carbon dioxide. Therefore, this analysis assumes 100% of the GHG emissions from purchased electricity are carbon dioxide.

Table B.1-5: PG&E 2021 Reporting Year Greenhouse Gas Emissions

Greenhouse Gas	2021 Total Emissions (metric tons)	Percentage of Total Emissions
Carbon Dioxide	45,831,735	99.94%
Methane	25,527	< 0.01%
Nitrous Oxide	84	< 0.01%
TOTAL	45,857,345	~ 100%

The selected emission factor is the three-year average of the “All Plants” CO₂ emission rates shown in Table B.1-6 below:

- 2019 = 163 lb CO₂/MWh
- 2020 = 194 lb CO₂/MWh
- 2021 = 204 lb CO₂/MWh
- Average = (163 + 194 + 204) / 3 = 187 lb CO₂/MWh

Table B.1-6: PG&E Emissions Reported to CARB: CO₂e Emissions from Owned Power Generation

PG&E Emissions Reported to the California Air Resources Board: CO₂-e Emissions from Owned Power Generation¹ and Operations

	2019	2020	2021
Total CO₂-e Emissions (metric tons)	2,484,127	2,550,622	2,485,379
Humboldt Bay Generating Station	189,163	227,214	256,813
Gateway Generating Station	1,137,160	1,143,587	1,363,629
Colusa Generating Station	1,157,804	1,179,821	864,937
CO₂ Emissions Rates (lbs/MWh)			
Humboldt Bay Generating Station	1,028	1,033	1,035
Gateway Generating Station	872	882	875
Colusa Generating Station	842	855	866
Fossil Plants ²	868	881	886
All Plants ³	163	194	204
Other CO₂-e Emissions (metric tons)			
Natural Gas Compressor Stations ⁴	344,810	315,802	322,044
Distribution Fugitive Natural Gas Emissions	496,789	497,512	589,342
Customer Natural Gas Use ⁵	42,058,499	40,304,583	41,563,483

1. PG&E's owned net generation was 26.8 GWh in 2021. ¹
2. CO₂ emissions rate applies to fossil-fuel combustion generating stations only. ²
3. Includes all PG&E-owned generation sources, including nuclear, hydroelectric, and renewable energy. ³
4. Includes, but is not limited to, compressor stations and storage facilities emitting more than 25,000 metric tons of CO₂-e annually. ⁴
5. Includes emissions from the combustion of natural gas delivered to all entities on PG&E's distribution system, with the exception of gas delivered to other natural gas local distribution companies. This figure does not represent PG&E's compliance obligation under AB 32, which is equivalent to the above-reported value less the emissions from fuel that is delivered to covered entities, as calculated by CARB. ⁵

Calculation Steps

Step 1: Determine the annual quantity of water purchased in million gallons per year (MMgal/yr).

- Annual Purchased Water Quantity = 150 MMgal/yr

Step 2: Determine the appropriate emission factor to use.

- The emission factor of 2,636 kilowatt-hour (kWh) per million gallons used in this calculation was selected from Table B.1-6, above.

Step 3: Calculate Estimated Emissions

- For CO₂: Emissions = Water x Emission Factor

$$= 150 \text{ MMGal/yr} \times 2,636 \text{ kWh/MMgal} \times 187 \text{ lb CO}_2/\text{MWh} \times 1 \text{ MW}/1000 \text{ kW}$$
 - CO₂ emissions = 73,940 lb/yr = **33.5 MTCO₂e/yr**

B.1.7.3 Purchased Wastewater Treatment from Diablo Water District

The conveyance and treatment of wastewater requires electricity resulting in the generation of GHG emissions. Indirect GHG emissions from usage of electricity to treat wastewater were calculated in the same manner as explained above for the “Purchased Municipal Water.”

Since the electricity required for the wastewater treatment process is the same as the electricity purchased by DWD for the sale of municipal water, the emissions factor (lb CO₂/MWh) for the indirect GHG emissions caused by usage of purchased electricity by DWD from Pacific Gas and Electric (PG&E) calculated above were used.

Calculation Steps

Step 1: Determine the annual quantity of wastewater discharged to DWD in million gallons (MMgal) per year.

- Annual Quantity Discharged = 69.4 MMgal/yr

Step 2: Determine the appropriate emission factor to use.

- The emission factor of 2,636 kilowatt-hour (kWh) per million gallons used in this calculation was selected from the Table B.1-6 as discussed above.

Step 3: Calculate Estimated Emissions

- For CO₂: Emissions = Water Discharged x Emission Factor
= 69.4 MMGal/yr x 2,636 kWh/MMgal x 187 lb CO₂/MWh x 1 MW/1000 kW
○ CO₂ emissions = 182,939 lb/yr = **83.0 MTCO₂e/yr**

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Criteria Pollutant Emissions Summary

Startups/Shutdowns	Uncontrolled Daily Emissions without BACT (lb/day)							
Source	Nox	CO	PM	PM10	PM2.5	VOC/ POC	SOx	NPOC
S-25 OMNI GPRS ICARS	255.00	665.00	7.20	7.20	7.20	5.21	0.57	
S-36 Flare - Startup/Shutdown	224.43	610.17	3.43	3.43	3.43	4.13	439.48	

Normal Operations	Uncontrolled Daily Emissions without BACT (lb/day)							
Source	NOx	CO	PM	PM10	PM2.5	VOC/ POC	SOx	NPOC
S-1 Feedstock Preparation Building			8.27	3.90	1.23	35.93		0.31
S-5 Wet Feedstock Storage Silo			0.03	0.01	0.00	29.11		0.25
S-10 Feedstock Dryer; Low-Temperature Belt Dryer			77.49	77.47	30.99	52.73		0.46
S-15 Dry Feedstock Storage Silo			0.06	0.03	0.00	38.65		0.34
S-30 Slag Handling Crushing, and Loading			0.52	0.24	0.04			
S-40 Boiler	239.94	76.88	7.80	7.80	7.80	8.78	7.03	
S-85 Wet Cooling Tower			0.31	0.22	0.13			
Equipment and Piping Components						14.44		
S-75 Emergency Diesel-fired ICE Generator	151.32	16.10	3.49	3.49	3.49	2.68	0.20	
S-80 Emergency Diesel-fired ICE Fire Water Pump	22.92	11.05	1.03	1.03	1.03	0.57	0.05	
S-36 Flare - Normal Operations - Hydrogen Flaring (500 Hours per Year)	119.32	1.53	0.14	0.14	0.14	0.10	0.01	
S-36 Flare - Normal Operations (No Hydrogen Flaring)	1.82	1.53	0.14	0.14	0.14	0.10	0.01	

Startups/Shutdowns	Controlled Daily Emissions with BACT (lb/day)							
Source	NOx	CO	PM	PM10	PM2.5	VOC/ POC	SOx	NPOC
S-25 OMNI GPRS ICARS	255.00	665.00	7.20	7.20	7.20	5.21	0.57	
S-36 Flare - Startup/Shutdown	224.43	610.17	3.43	3.43	3.43	4.13	439.48	

Normal Operations	Controlled Daily Emissions with BACT (lb/day)							
Source	NOx	CO	PM	PM10	PM2.5	VOC/ POC	SOx	NPOC
S-1 Feedstock Preparation Building			0.43	0.20	0.06	8.62		0.08
S-5 Wet Feedstock Storage Silo			0.00	0.00	0.00	5.82		0.05
S-10 Feedstock Dryer; Low-Temperature Belt Dryer			0.11	0.09	0.03	10.55		0.09
S-15 Dry Feedstock Storage Silo			0.00	0.00	0.00	7.73		0.07
S-30 Slag Handling, Crushing, and Loading			0.52	0.24	0.04			
S-40 Boiler	12.63	76.88	7.80	7.80	7.80	8.78	7.03	
S-85 Wet Cooling Tower			0.31	0.22	0.13			
Equipment and Piping Components						14.44		
S-75 Emergency Diesel-fired ICE Generator	17.99	16.10	3.49	3.49	3.49	2.68	0.20	
S-80 Emergency Diesel-fired ICE Fire Water Pump	2.78	11.05	1.03	1.03	1.03	0.57	0.05	
S-36 Flare - Normal Operations - Hydrogen Flaring (500 Hours per Year)	119.32	1.53	0.14	0.14	0.14	0.10	0.01	
S-36 Flare - Normal Operations (No Hydrogen Flaring)	1.82	1.53	0.14	0.14	0.14	0.10	0.01	0.00

	Controlled Daily Emissions with BACT (lb/day)							
	NOx	CO	PM	PM10	PM2.5	VOC/ POC	SOx	NPOC
Average Daily Emissions	26.5	90.4	9.1	8.5	8.1	52.8	6.6	0.3
BAAQMD CEQA Thresholds	54		82	82	54	54		

Source	Controlled Annual Emissions (lb/yr)							
	NOx	CO	PM	PM10	PM2.5	VOC/ POC	SOx	NPOC
S-1 Feedstock Preparation Building			135.5	63.9	20.06	2,744.0		23.9
S-5 Wet Feedstock Storage Silo			0.0	0.0	0.00	1,852.2		16.1
S-10 Feedstock Dryer; Low-Temperature Belt Dryer			36.2	31.0	11.28	3,603.2		31.4
S-15 Dry Feedstock Storage Silo			0.0	0.0	0.00	2,641.0		23.0
S-25 OMNI GPRS ICARS	2,120.0	5,520.0	60.0	60.0	60.04	43.5	4.7	
S-30 Slag Handling, Crushing, and Loading			176.4	80.9	13.6			
S-40 Boiler	4,413.8	26,870.1	2,746.6	2,746.6	2,746.6	3,069.8	2,410.3	
S-85 Wet Cooling Tower			106.2	74.3	44.6			
Equipment and Piping Components						5,269.5		
S-75 Emergency Diesel-fired ICE Generator	37.5	33.5	7.3	7.3	7.3	5.6	0.4	
S-80 Emergency Diesel-fired ICE Fire Water Pump	5.8	23.0	2.1	2.1	2.1	1.2	0.1	
S-36 Flare - Normal Operations - Hydrogen Flaring	2,485.9	31.8	2.9	2.9	2.9	2.1	0.2	
S-36 Flare - Normal Operations	605.5	508.6	46.0	46.0	46.0	33.3	3.6	
S-36 Flare - Startup/Shutdown	1,382.0	3,837.8	25.1	25.1	25.3	30.5	3,320.5	
Total	9,668.4	32,987.1	3,319.3	3,115.2	2,954.5	19,265.3	2,419.4	94.5

Source	Controlled Annual Emissions (ton/yr)							
	NOx	CO	PM	PM10	PM2.5	VOC/ POC	SOx	NPOC
S-1 Feedstock Preparation Building			0.068	0.032	0.010	1.37		0.012
S-5 Wet Feedstock Storage Silo			0.000	0.000	0.000	0.93		0.008
S-10 Feedstock Dryer; Low-Temperature Belt Dryer			0.018	0.016	0.006	1.80		0.016
S-15 Dry Feedstock Storage Silo			0.000	0.000	0.000	1.32		0.012
S-25 OMNI GPRS ICARS	1.06	2.76	0.030	0.030	0.030	0.02	0.00	
S-30 Slag Handling, Crushing, and Loading			0.088	0.040	0.007			
S-40 Boiler	2.21	13.44	1.37	1.37	1.37	1.53	1.21	
S-85 Wet Cooling Tower			0.05	0.04	0.02			
Equipment and Piping Components						2.63		
S-75 Emergency Diesel-fired ICE Generator	0.019	0.017	0.004	0.004	0.004	0.003	0.0002	
S-80 Emergency Diesel-fired ICE Fire Water Pump	0.003	0.012	0.001	0.001	0.001	0.001	0.0001	
S-36 Flare - Normal Operations - Hydrogen Flaring	1.24							
S-36 Flare - Normal Operations	0.30	0.25	0.02	0.02	0.02	0.02	0.002	
S-36 Flare - Startup/Shutdown	0.69	1.92	0.01	0.01	0.01	0.02	1.660	
Total	4.83	16.48	1.66	1.56	1.48	9.63	1.21	0.05

Cumulative Increase

Pollutant	Permitted Emissions (since Reg 2-2-209 Baseline Date)	Offsets Previously Provided, including from SFB (Reg 2-2-608.2.2)	Adjusted Actual Baseline (Reg 2-2-603)	Project PTE	Project Emissions Increase (Reg 2-2-606)	Contemporaneous Onsite Emissions Reduction (Reg. 2-2-605)	Project Cumulative Emissions Increase (Reg. 2-2-607)
	(TPY)	(TPY)	(TPY)	(TPY)	(TPY)	(TPY)	(TPY)
NO _x	0.000	0.000	0.000	4.834	4.834	0.000	4.834
CO	0.000	0.000	0.000	16.478	16.478	0.000	16.478
POC	0.000	0.000	0.000	9.632	9.632	0.000	9.632
PM ₁₀	0.000	0.000	0.000	1.556	1.556	0.000	1.556
PM _{2.5}	0.000	0.000	0.000	1.476	1.476	0.000	1.476
SO ₂	0.000	0.000	0.000	1.210	1.210	0.000	1.210

Pollutant	Facility-Wide Post Project PTE	Emissions Increase with This Application/ Project Cumulative Emissions Increase (Reg. 2-2-607)	Prior Cumulative Increase (Reg 2-2-608.2.1) TPY	Prior Offsets Provided, including from SFB (Reg 2-2-608.2.2) TPY	Prior Unoffset Cumulative Increase (Reg 2-2-608.2) TPY	Total Facility Unoffset Cumulative Increase (Reg 2-2-608)	Regulation 2-2-302 and 2-2-303 Offset Triggers	Offsets Required
	(TPY)	(TPY)	(TPY)	(TPY)	(TPY)	(TPY)	(TPY)	
NO _x	4.872	4.834	0.000	0.000	0.000	4.834	Post-project Facility-wide PTE > 10	0
CO	16.511	16.478	0.000	0.000	0.000	16.478	NA	NA
POC	9.637	9.632	0.000	0.000	0.000	9.632	Post-project Facility-wide PTE > 10	-0.368
PM ₁₀	1.563	1.556	0.000	0.000	0.000	1.556	> 1.0 CI and ≥100 tpy post-project facility-wide PTE	0
PM _{2.5}	1.483	1.476	0.000	0.000	0.000	1.476	> 1.0 CI and ≥100 tpy post-project facility-wide PTE	0
SO ₂	1.210	1.210	0.000	0.000	0.000	1.210	> 1.0 CI and ≥100 tpy post-project facility-wide PTE	0

Operations Greenhouse Gas Emissions Summary Table

Source	CO ₂ (tonnes/yr)	CH ₄ (tonnes/yr)	N ₂ O (tonnes/yr)	CO ₂ e (tonnes/yr)
S-25 SRM & Refiner NG Burners	2,757	0.052	0.0052	2,760
S-36 Flare	336	0.006	0.0006	337
S-40 Boiler	28,985	0.91	0.14	29,050
S-75 Emergency Diesel-fired ICE Generator	47.8	0.0019	3.74E-04	47.9
S-80 Emergency Diesel-fired ICE Fire Water Pump	5.00	0.0002	3.92E-05	5.02
Fugitive Components	--	--	--	328.42
On-road and off-road mobile sources	1,649	0.07	0.01	1,655
Indirect Emissions	--	--	--	3,315
Total	33,780	1.04	0.16	37,498

Facility Operating Schedule and Throughput**Normal Operating Phase**

Daily normal operating hours (hrs/day)	24
Annual normal operating hours (hrs/year)	8200 [Based on 93% capacity factor or utilization, rounded to 8200]
Start-up time per start-up event (hrs/ event)	58
Number of start-up events /year	4
Shutdown time per shutdown event (hrs/ event)	10

Startup Stage	Flue Characteristics	Vented from	Duration (hours)
1	Only NG combustion products flue	Heat-up stack	48
2	Only NG combustion products flue	LP Flare. Flare will be used as a stack and not as a flare	0.5
3	Low LHV Syngas	LP Gas Flaring. Flaring will occur.	4.5
4	High LHV Syngas	HP Gas Flaring. Flaring will occur	5
5	No flue - Normal Operation begins		0
Total			58

Shutdown Stage	Flue Characteristics	Vented from	Duration (hours)
1	High LHV Syngas	HP Gas Flaring. Flaring will occur	1
2	Low LHV Syngas	HP Gas Flaring. Flaring will occur	3
3	Slag deinventory gases and NG combustion products	LP Gas Flaring (assume LP flare syngas conditions)	4
4	Only NG combustion products flue	Heat-up stack	2
Total			10

Throughput by Source or Process Unit	Maximum Hourly (per hour)	Maximum Daily (per day)	Annual (per year)
Waste Material Accepted at Site or S-1 (tons)	110	550	175,000
Pre-processed Wet Feedstock to Wet Silo S-5 (tons)	28	446	141,750
Pre-processed Wet Feedstock to Dryer S-10 (tons) - Based on dryer's input capacity per manufacturer's specs	19	463	158,181
Dried Feedstock to Dry Silo S-15 (tons)	13	309	105,454
Dried Feedstock to OMNI Unit S-25 (tons)	11	250	95,000
Slag Handled in S-30 (tons)	2.0	48	16,294
Hydrogen Production Capacity by Facility (scf)	300,953	7,222,864	2,395,229,241
Additional Hydrogen Received from Offsite Routed to PSA (scf)	115,771	2778504	921,400,988
Total Hydrogen Production (Offsite and Facility-Produced, scf)	416,724	10,001,368	3,316,630,229

Quantity of syngas generated per ton of waste feed during normal operation in OMNI unit (S-25)	47,390	scf syngas/ton waste converted
Quantity of syngas generated per ton of waste feed during normal operation in OMNI unit (S-25)	2,705	lb of syngas/ton waste converted

S-1 Feedstock Preparation Building

Source Description: Feedstock (pre-sorted MSW) is tipped and processed/sorted through a shredder, magnetic separator, eddy current separator, fine screen, air classifier, and NIR. Inerts/ refuse material stored in bunkers

Throughput (tons)	Maximum Hourly (per hour)	Maximum Daily (per day)	Maximum Annual (per year)
Total MSW	110	550	175,000

Particulate Emissions from Waste Feedstock Tipping, Transfer, and Sorting

Emissions from material transfer occur when material is dropped from one transfer point to another

Material Transfer Emissions

Emission Factor	$E = k(0.0032)(U/5)^{-1.3} / (M/2)^{1.4}$	[AP-42 Chapter 13.2.4, Equation 1]
Mean Wind Speed (U)	2.3 mph	Using an inbound windspeed of 200 feet/min required at natural draft openings in a permanent total enclosure per EPA Method 204
Material Moisture Content (M)	22 %	Moisture content in overall feedstock as received
Uncontrolled PM (TSP) Emissions Factor	0.000031 lb/ton per drop	k = 0.74 from AP-42 Chapter 13.2.4
Uncontrolled PM10 Emissions Factor	0.0000145 lb/ton per drop	k = 0.35 from AP-42 Chapter 13.2.4
Uncontrolled PM2.5 Emissions Factor	0.0000022 lb/ton per drop	k = 0.053 from AP-42 Chapter 13.2.4

Number of Transfer Points

Trucks to tipping floor	1
Tipping floor to shredder via loader	2
Shredder to magnetic separator	1
Magnetic separator to eddy current separator	1
Eddy current separator to fine screen	1
Fine screen to air classifier	1
Air classifier to NIR separator	1
Refuse material into bunkers and from bunkers to trucks via loaders	3
Number of Transfer Points for S-1	11

Material Transfer Emissions	Maximum Hourly (lb per hour)	Maximum Daily (lb per day)	Maximum Annual (lb per year)
PM Material Transfer Emissions	0.04	0.19	58.95
PM10 Material Transfer Emissions	0.02	0.09	27.88
PM2.5 Material Transfer Emissions	0.00	0.01	4.22
Capture Efficiency (%) During Working Hours When Doors Are Open	92.5%	92.5%	92.5%
Fugitive PM Material Transfer Emissions	0.00	0.01	4.42
Fugitive PM10 Material Transfer Emissions	0.00	0.01	2.09
Fugitive PM2.5 Material Transfer Emissions	0.00	0.00	0.32
PM Destruction Efficiency (%) of Abatement Device	99.9%	99.9%	99.9%
Undestructed PM Emissions (lb)	0.00	0.00	0.05
Undestructed PM10 Emissions (lb)	0.00	0.00	0.03
Undestructed PM2.5 Emissions (lb)	0.00	0.00	0.00
Total Controlled PM Emissions	0.00	0.01	4.48
Total Controlled PM10 Emissions	0.00	0.01	2.12
Total Controlled PM2.5 Emissions	0.00	0.00	0.32

Shredder Emissions

Grinding EF		
PM Grinding EF	0.02400 lb/ton	[BAAQMD Permit handbook Chapter 11.13, wood grinding]
PM10 Grinding EF	0.01440 lb/ton	
PM2.5 Grinding EF	0.00679 lb/ton	From CARB PMSIZE Profile #362
Inherent control due to high moisture content in waste [BAAQMD Permit handbook Chapter 11.13]	70%	Accounts for inherent control achieved due to high moisture content in the feedstock than in the typical wood feedstock. Accounts for grinding to a larger size.

Shredding Emissions (lbs)	Maximum Hourly (lb per hour)	Maximum Daily (lb per day)	Maximum Annual (lb per year)
PM Shredding Emissions	0.79	3.96	1260.00
PM10 Shredding Emissions	0.48	2.38	756.00
PM2.5 Shredding Emissions	0.22	1.12	356.58
Capture Efficiency (%) During Working Hours When Doors Are Open	92.5%	92.5%	92.5%
Capture Efficiency (%) During Non-Working Hours When Doors are Closed	100%	100%	100%
Fugitive PM Shredding Emissions	0.06	0.20	63.00
Fugitive PM10 Shredding Emissions	0.04	0.12	37.80
Fugitive PM2.5 Shredding Emissions	0.0168	0.06	17.83

PM Destruction Efficiency (%) of Abatement Device	99.9%	99.9%	99.9%
Undestructed PM Emissions (lb)	0.00	0.00	1.20
Undestructed PM10 Emissions (lb)	0.00	0.00	0.72
Undestructed PM2.5 Emissions (lb)	0.00	0.00	0.34
Total Controlled PM Emissions	0.06	0.20	64.20
Total Controlled PM10 Emissions	0.04	0.12	38.52
Total Controlled PM2.5 Emissions	0.02	0.06	18.17

Fine Screen Emissions

Screening EF

PM Screening EF	0.02500 lb/ton	[AP-42, 5th Edition, Chapter 11.19.2, Crushed Stone Processing, Table 11.19.2-2]
PM10 Screening EF	0.00870 lb/ton	
PM2.5 Screening EF	0.00059 lb/ton	The ratio of PM2.5 to PM10 emission factors for controlled screening in AP-42, 5th Edition, Chapter 11.19.2, Crushed Stone Processing, Table 11.19.2-2 was applied to uncontrolled screening PM10 to obtain the uncontrolled screening PM2.5
Inherent control due to high moisture content in waste	70%	Accounts for inherent control achieved due to high moisture content in the feedstock than in typical sand/crushed stone.

Screening Emissions (lbs)	Maximum Hourly (per hour)	Maximum Daily (per day)	Maximum Annual (per year)
PM Screening Emissions	0.83	4.13	1312.50
PM10 Screening Emissions	0.29	1.44	456.75
PM2.5 Screening Emissions	0.02	0.10	30.86
Capture Efficiency (%) During Working Hours When Doors Are Open	92.5%	92.5%	92.5%
Capture Efficiency (%) During Non-Working Hours When Doors are Closed	100%	100%	100%
PM Destruction Efficiency (%) of Abatement Device	99.9%	99.9%	99.9%
Fugitive PM Screening Emissions	0.06	0.21	65.63
Fugitive PM10 Screening Emissions	0.02	0.07	22.84
Fugitive PM2.5 Screening Emissions	0.00	0.00	1.54
Undestructed PM Emissions (lb)	0.00	0.00	1.25
Undestructed PM10 Emissions (lb)	0.00	0.00	0.43
Undestructed PM2.5 Emissions (lb)	0.00	0.00	0.03
Total Controlled PM Emissions	0.06	0.21	66.87
Total Controlled PM10 Emissions	0.02	0.07	23.27
Total Controlled PM2.5 Emissions	0.00	0.00	1.57

Total Uncontrolled PM Emissions (lb)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
Total PM Emissions	1.654	8.270	2631
Total PM10 Emissions	0.780	3.899	1241
Total PM2.5 Emissions	0.246	1.231	392
Total Controlled PM Emissions (lb)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
Total PM Emissions	0.13	0.43	135.54
Total PM10 Emissions	0.06	0.20	63.91
Total PM2.5 Emissions	0.01869	0.06	20.06

VOC Emissions from Decomposable Organic Waste

VOC Emissions Factor	0.13 lb VOC/ wet ton.day	VOC EF is a weighted average of green and food waste stockpile emission factors obtained from Source Testing (NTV-2145) at Napa Recycling and Waste Services, BAAQMD Plant # 17403; weighted by the ratio of typical ratio food waste:green waste expected in H-Cycle's feedstock
Ammonia Emissions Factor ¹	0.004 lb NH3/ wet ton.day	https://www.valleyair.org/busind/pto/emission_factors/Criteria/Criteria/Composting/Compost%20EF.pdf

1. Ammonia EF from SJVAPCD was scaled since 22% of the feed for the project will be comprised of the feed stream used to determine the NH3 EF.

Throughput-Time	Maximum Hourly (per hour)	Maximum Daily (per day)	Maximum Annual (per year)
Residence Time at Source (days)	0.5	0.5	0.5
Total Waste-Time (Wet Ton.days)	55	275	87,500

S-1 VOC Emissions (lbs)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
Uncontrolled VOC Emissions (lb)	7.19	35.93	11433.33
Uncontrolled NH3 Emissions (lb)	0.24	1.21	385.00
Capture Efficiency (%) During Working Hours When Doors Are Open	92.5%	92.5%	92.5%
Capture Efficiency (%) During Non-Working Hours When Doors are Closed	100%	100%	100%

VOC Destruction Efficiency (%) of Abatement Device ¹	80%	80%	80%
Fugitive VOC Emissions (lb)	0.54	1.80	571.67
Undestructed VOC Emissions (lb)	1.33	6.83	2172.33
Total Controlled VOC Emissions (lb)	1.87	8.62	2744

1. VOC abatement efficiency taken from Table III-3: Control Technologies for Composting Operations, https://ww3.arb.ca.gov/ei/areasrc/composting_emissions_inventory_methodology_final_combined.pdf

NH3 Destruction Efficiency (%) of Abatement Device ¹	70%	70%	70%
Fugitive NH3 Emissions (lb)	0.02	0.06	19.25
Undestructed NH3 Emissions (lb)	0.07	0.34	109.73
Total Ammonia Emissions (lb)	0.09	0.41	128.98

1. Ammonia abatement efficiency taken from Table III-3: Control Technologies for Composting Operations, https://ww3.arb.ca.gov/ei/areasrc/composting_emissions_inventory_methodology_final_combined.pdf

TAC Emissions from Decomposable Organic Waste

CAS #	Toxic Air Contaminant (TAC)	Weighted Average Weight % in VOC	Fugitive Hourly Emissions (lb/hr)	Fugitive Annual Emissions (lb/yr)	Undestructed Hourly Emissions (lb/hr)	Undestructed Annual Emissions (lb/yr)	Total Controlled Hourly Emissions (lb/hr)	Above Acute Trigger Level	Total Controlled Annual Emissions (lb/yr)
75-07-0	Acetaldehyde	1.13E+00	6.09E-03	6.46E+00	1.50E-02	2.46E+01	2.11E-02	No	3.10E+01
67-63-0	Isopropyl alcohol (2-Propanol)	6.38E-01	3.44E-03	3.65E+00	8.48E-03	1.39E+01	1.19E-02	No	1.75E+01
67-56-1	Methyl alcohol (methanol)	1.38E+01	7.45E-02	7.91E+01	1.84E-01	3.00E+02	2.58E-01	No	3.79E+02
91-20-3	Naphthalene	9.30E-03	5.01E-05	5.31E-02	1.24E-04	2.02E-01	1.74E-04	No	2.55E-01
115-07-1	Propylene (1-Propene)	9.09E-03	4.90E-05	5.20E-02	1.21E-04	1.98E-01	1.70E-04	No	2.50E-01
107-05-1	Allyl chloride	6.80E-04	3.67E-06	3.89E-03	9.04E-06	1.48E-02	1.27E-05	No	1.87E-02
75-15-0	Carbon disulfide	7.19E-04	3.88E-06	4.11E-03	9.56E-06	1.56E-02	1.34E-05	No	1.97E-02
108-05-4	Vinyl acetate	2.25E-02	1.21E-04	1.29E-01	2.99E-04	4.89E-01	4.21E-04	No	6.18E-01
78-93-3	2-Butanone (MEK)	6.81E-01	3.67E-03	3.89E+00	9.05E-03	1.48E+01	1.27E-02	No	1.87E+01
107-06-2	1,2-Dichloroethane	1.08E-03	5.82E-06	6.17E-03	1.43E-05	2.34E-02	2.02E-05	No	2.96E-02
108-88-3	Toluene	4.52E-03	2.43E-05	2.58E-02	6.01E-05	9.81E-02	8.44E-05	No	1.24E-01
100-41-4	Ethylbenzene	2.39E-03	1.29E-05	1.37E-02	3.18E-05	5.19E-02	4.46E-05	No	6.56E-02
1330-20-7	m & p-Xylenes & o-Xylene	5.11E-03	2.75E-05	2.92E-02	6.79E-05	1.11E-01	9.55E-05	No	1.40E-01
100-42-5	Styrene	7.09E-03	3.82E-05	4.05E-02	9.42E-05	1.54E-01	1.32E-04	No	1.94E-01
7664-41-7	Ammonia		1.82E-02	1.93E+01	6.72E-02	1.10E+02	8.53E-02	No	1.29E+02
NPOC		8.71E-01	4.70E-03	4.98E+00	1.16E-02	1.89E+01	1.63E-02		2.39E+01

Note:
 TAC EF is a weighted average of green and food waste stockpile emission factors obtained from Source Testing (NTV-2145) at Napa Recycling and Waste Services, BAAQMD Plant # 17403; weighted by the ratio of typical ratio food waste:green waste expected in H-Cycle's feedstock Door sizes, air exchanges, etc. being worked by H Cycle/HDR - 200 fpm currently (engineering of building is lagging behind FEED)

S-5 Wet Feedstock Storage Silo

Source Description: Silo will store biodegradable wet feedstock after sorting and processing in S-1

Throughput (tons)	Maximum Hourly (per hour)	Maximum Daily (per day)	Annual (per year)
Wet feedstock to wet silo (tons)	28	446	141,750

Particulate Emissions from Waste Feedstock Transfer into wet silo

Emissions from material transfer occur when material is dropped from one transfer point to another

Emission Factor	$E = k(0.0032)(U/5)^{1.3} / (M/2)^{1.4}$	[AP-42 Chapter 13.2.4, Equation 1]
Mean Wind Speed	2.3 mph	Using an inbound windspeed of 200 feet/min required at natural draft openings in a permanent total enclosure per EPA Method 204
Material Moisture Content	22 %	Moisture content in overall feedstock as received
Uncontrolled PM (TSP) Emissions Factor	0.000031 lb/ton per drop	k = 0.74 from AP-42 Chapter 13.2.4
Uncontrolled PM10 Emissions Factor	0.000014 lb/ton per drop	k = 0.35 from AP-42 Chapter 13.2.4
Uncontrolled PM2.5 Emissions Factor	0.000002 lb/ton per drop	k = 0.053 from AP-42 Chapter 13.2.4

Number of Transfer Points

NIR separator to storage silo via loader/ conveyor	2
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Material Transfer Emissions (lbs)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
PM Material Transfer Emissions	0.00	0.03	8.68
PM10 Material Transfer Emissions	0.00	0.01	4.11
PM2.5 Material Transfer Emissions	0.00	0.00	0.62
PM Destruction Efficiency (%) of Abatement Device	99.9%	99.9%	99.9%
Controlled PM Material Transfer Emissions	0.00	0.00	0.01
Controlled PM10 Material Transfer Emissions	0.00	0.00	0.00
Controlled PM2.5 Material Transfer Emissions	0.00	0.00	0.00

VOC Emissions from Decomposable Organic Waste

VOC Emissions Factor	0.13 lb VOC/ wet ton.day	VOC EF is a weighted average of green and food waste stockpile emission factors obtained from Source Testing (NTV-2145) at Napa Recycling and Waste Services, BAAQMD Plant # 17403; weighted by the ratio of typical ratio food waste:green waste expected in H-Cycle's feedstock
Ammonia Emissions Factor ¹	0.004 lb NH3/ wet ton.day	https://www.valleyair.org/busind/pto/emission_factors/Criteria/Criteria/Composting/Compost%20EF.pdf

1. Ammonia EF from SJVAPCD was scaled since 22% of the feed for the project will be comprised of the feed stream used to determine the NH3 EF.

Wet Decomposable Feedstock	Maximum Hourly (per hour)	Maximum Daily (per day)	Annual (per year)
Throughput of wet feedstock (tons)	28	446	141,750
Residence Time at Source (days)	0.5	0.5	0.5
Total Waste-Time (Wet Ton.days)	14	223	70,875

S-5 VOC Emissions (lbs)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
Uncontrolled VOC Emissions (lb)	1.80	29.11	9261.00
Uncontrolled NH3 Emissions (lb)	0.06	0.98	311.85
Capture Efficiency (Assumption)	100%	100%	100%

VOC Destruction Efficiency (%) of Abatement Device ¹	80%	80%	80%
Fugitive VOC Emissions (lb)	0.00	0.00	0.00
Undestructed VOC Emissions (lb)	0.36	5.82	1852.20
Total Controlled VOC Emissions (lb)	0.36	5.82	1852.20

1. VOC abatement efficiency taken from Table III-3: Control Technologies for Composting Operations, https://ww3.arb.ca.gov/ei/areasrc/composting_emissions_inventory_methodology_final_combined.pdf

NH3 Destruction Efficiency (%) of Abatement Device ¹	70%	70%	70%
Fugitive NH3 Emissions (lb)	0.00	0.00	0.00
Undestructed NH3 Emissions (lb)	0.02	0.29	93.56
Total Ammonia Emissions (lb)	0.02	0.29	93.56

1. Ammonia abatement efficiency taken from Table III-3: Control Technologies for Composting Operations, https://ww3.arb.ca.gov/ei/areasrc/composting_emissions_inventory_methodology_final_combined.pdf

TAC Emissions from Decomposable Organic Waste

CAS #	Toxic Air Contaminant (TAC)	Weighted Average Weight % in VOC	Fugitive Hourly Emissions (lb/hr)	Fugitive Annual Emissions (lb/yr)	Undestructed Hourly Emissions (lb/hr)	Undestructed Annual Emissions (lb/yr)	Total Controlled Hourly Emissions (lb/hr)	Above Acute Trigger Level	Total Controlled Annual Emissions (lb/yr)	Above Chronic Trigger Level
75-07-0	Acetaldehyde	1.13E+00	0.00E+00	0.00E+00	4.07E-03	2.09E+01	4.07E-03	No	2.09E+01	No
67-63-0	Isopropyl alcohol (2-Propanol)	6.38E-01	0.00E+00	0.00E+00	2.30E-03	1.18E+01	2.30E-03	No	1.18E+01	No
67-56-1	Methyl alcohol (methanol)	1.38E+01	0.00E+00	0.00E+00	4.98E-02	2.56E+02	4.98E-02	No	2.56E+02	No
91-20-3	Naphthalene	9.30E-03	0.00E+00	0.00E+00	3.35E-05	1.72E-01	3.35E-05	No	1.72E-01	No
115-07-1	Propylene (1-Propene)	9.09E-03	0.00E+00	0.00E+00	3.27E-05	1.68E-01	3.27E-05	No	1.68E-01	No
107-05-1	Allyl chloride	6.80E-04	0.00E+00	0.00E+00	2.45E-06	1.26E-02	2.45E-06	No	1.26E-02	No
75-15-0	Carbon disulfide	7.19E-04	0.00E+00	0.00E+00	2.59E-06	1.33E-02	2.59E-06	No	1.33E-02	No
108-05-4	Vinyl acetate	2.25E-02	0.00E+00	0.00E+00	8.11E-05	4.17E-01	8.11E-05	No	4.17E-01	No
78-93-3	2-Butanone (MEK)	6.81E-01	0.00E+00	0.00E+00	2.45E-03	1.26E+01	2.45E-03	No	1.26E+01	No
107-06-2	1,2-Dichloroethane	1.08E-03	0.00E+00	0.00E+00	3.89E-06	2.00E-02	3.89E-06	No	2.00E-02	No
108-88-3	Toluene	4.52E-03	0.00E+00	0.00E+00	1.63E-05	8.37E-02	1.63E-05	No	8.37E-02	No
100-41-4	Ethylbenzene	2.39E-03	0.00E+00	0.00E+00	8.60E-06	4.43E-02	8.60E-06	No	4.43E-02	No
1330-20-7	m & p-Xylenes & o-Xylene	5.11E-03	0.00E+00	0.00E+00	1.84E-05	9.46E-02	1.84E-05	No	9.46E-02	No
100-42-5	Styrene	7.09E-03	0.00E+00	0.00E+00	2.55E-05	1.31E-01	2.55E-05	No	1.31E-01	No
7664-41-7	Ammonia		0.00E+00	0.00E+00	1.82E-02	9.36E+01	1.82E-02	No	9.36E+01	No
NPOC		8.71E-01	0.00E+00	0.00E+00	3.14E-03	1.61E+01	3.14E-03		1.61E+01	

Note:

TAC EF is a weighted average of green and food waste stockpile emission factors obtained from Source Testing (NTV-2145) at Napa Recycling and Waste Services, BAAQMD Plant # 17403; weighted by the ratio of typical ratio food waste:green waste expected in H-Cycle's feedstock

S-10 Feedstock Dryer

Source Description: Drying of prepared wet feedstock in low temperature belt dryer

Particulate Emissions from Waste Feedstock transfer into dryer

Emissions from material transfer occur when material is dropped from one transfer point to another

Throughput (tons)	Maximum Hourly (per hour)	Maximum Daily (per day)	Annual (per year)
Waste feedstock into dryer (tons) - Based on dryer's input capacity per manufacturer's specs	19	463	158,181

Material Transfer Emissions

Emission Factor	$E = k(0.0032)(U/5)^{-1.3}/(M/2)^{1.4}$	[AP-42 Chapter 13.2.4, Equation 1]
Mean Wind Speed	2.3 mph	Using an inbound windspeed of 200 feet/min required at natural draft openings in a permanent total enclosure per EPA Method 19
Material Moisture Content	22 %	Moisture content in overall feedstock as received
Uncontrolled PM (TSP) Emissions Factor	0.00003 lb/ton per drop	k = 0.74 from AP-42 Chapter 13.2.4
Uncontrolled PM10 Emissions Factor	0.00001 lb/ton per drop	k = 0.35 from AP-42 Chapter 13.2.4
Uncontrolled PM2.5 Emissions Factor	0.00000 lb/ton per drop	k = 0.053 from AP-42 Chapter 13.2.4

Number of Transfer Points

Wet waste silo to fully enclosed chain or screw conveyor	1
Fully enclosed chain or screw conveyor to dryer	1
Number of Transfer Points for S-10	2

Material Transfer Emissions (lbs)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
PM Material Transfer Emissions	0.00	0.03	9.69
PM10 Material Transfer Emissions	0.00	0.01	4.58
PM2.5 Material Transfer Emissions	0.00	0.00	0.69

Particulate and VOC Emissions from Waste Feedstock Drying - Using default wood drying emission factors

Infeed moisture content (% by weight) of wet feedstock - pre dryer	40.00%
Moisture content (% by weight) of dried feedstock - post dryer	10.00%

Particulate and VOC Emissions using Dryer's Outlet Concentrations**Exhaust Parameters**

Exhaust gas temperature out of the dryer (F)	118.4	48 C according to H Cycle email dated 9-14-2023
Exhaust gas moisture content (% volume)	9%	[Based on 75% RH and using online moisture content calculator - https://www.dks-engineering.com/en/knowledge/humidity-moisture-calculator]
Maximum exhaust flow rate from the dryer (Nm3/hr dry)	88772	[H Cycle Provided/Manufacturer Specifications]
Maximum exhaust flow rate from the dryer (Nm3/hr wet)	97596	
Maximum exhaust flow rate from the dryer (dscfm)	56075	
Particulate Matter Parameters		
Unabated PM grain loading (mg/Nm3 wet)	15	[Stela - manufacturer specs]
Unabated PM grain loading (gr/ dscf)	0.0064	
PM10 Weight Fraction in PM	1.0000	
PM2.5 Weight Fraction in PM	0.4000	From CARB PMSIZE Profile #325
VOC & HAP Parameters		
Unabated TOC Loading (mg/NM3 wet, as Propane)	10.0000	
VOC Fraction in TOC	0.94	[provided by Stela]
Unabated VOC Loading (gr/dscf, as propane)	0.0040	

Uncontrolled Emissions from drying (lbs)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
Uncontrolled PM Emissions	3.2	77	26465
Uncontrolled PM10 Emissions	3.2	77	26465
Uncontrolled PM2.5 Emissions	1.3	31	10586
Uncontrolled VOC Emissions (as methane)	2.20	53	18016

Particulate Abatement device

PM Abatement efficiency (%)	99.9%
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VOC Abatement System

VOC Abatement efficiency (%)	80%
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1. VOC abatement efficiency taken from Table III-3: Control Technologies for Composting Operations, https://ww3.arb.ca.gov/ei/areasrc/composting_emissions_inventory_methodology_final_combined.pdf

Ammonia Abatement (Biofilter)

NH3 Abatement efficiency (%)	70%
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1. Ammonia abatement efficiency taken from Table III-3: Control Technologies for Composting Operations, https://ww3.arb.ca.gov/ei/areasrc/composting_emissions_inventory_methodology_final_combined.pdf

Controlled Emissions from S-10 (lbs)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
Controlled PM	0.004	0.106	36
Controlled PM10	0.004	0.091	31
Controlled PM2.5	0.001	0.033	11
Controlled VOC Emissions (as methane)	0.439	10.55	3603

CAS #	Toxic Air Contaminant (TAC)	Weighted Average Weight % in VOC	Total Hourly Emissions (lb/hr)	Above Acute Trigger Level	Total Annual Emissions (lb/yr)	Above Chronic Trigger Level
75-07-0	Acetaldehyde	1.13E+00	4.97E-03	No	4.07E+01	Yes
67-63-0	Isopropyl alcohol (2-Propanol)	6.38E-01	2.80E-03	No	2.30E+01	No
67-56-1	Methyl alcohol (methanol)	1.38E+01	6.08E-02	No	4.98E+02	No
91-20-3	Naphthalene	9.30E-03	4.08E-05	No	3.35E-01	No
115-07-1	Propylene (1-Propene)	9.09E-03	4.00E-05	No	3.28E-01	No
107-05-1	Allyl chloride	6.80E-04	2.99E-06	No	2.45E-02	No
75-15-0	Carbon disulfide	7.19E-04	3.16E-06	No	2.59E-02	No
108-05-4	Vinyl acetate	2.25E-02	9.89E-05	No	8.11E-01	No
78-93-3	2-Butanone (MEK)	6.81E-01	2.99E-03	No	2.45E+01	No
107-06-2	1,2-Dichloroethane	1.08E-03	4.74E-06	No	3.89E-02	No
108-88-3	Toluene	4.52E-03	1.99E-05	No	1.63E-01	No
100-41-4	Ethylbenzene	2.39E-03	1.05E-05	No	8.61E-02	No
1330-20-7	m & p-Xylenes & o-Xylene	5.11E-03	2.25E-05	No	1.84E-01	No
100-42-5	Styrene	7.09E-03	3.11E-05	No	2.55E-01	No
7664-41-7	Ammonia	3.37E+00	2.22E-02	No	1.82E+02	No

NPOC		8.71E-01	3.83E-03		3.14E+01	
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Note:
TAC EF is a weighted average of green and food waste stockpile emission factors obtained from Source Testing (NTV-2145) at Napa Recycling and Waste Services, BAAQMD Plant # 17403; weighted by the ratio of typical ratio food wa

Test Data Provided by Dryer Manufacturer - Stela. Test conducted on European wood drying

TOC as Propane	44.097	3	15		19	15	19
Propane	44.097	3					
VOC fraction in TOC						0.94	0.94

S-15 Dry Feedstock Storage Silo

Source Description: Storage of dry organic material (prepared feedstock), after sorting and processing in S-1 and drying in S-10

Throughput (tons)	Maximum Hourly (per hour)	Maximum Daily (per day)	Annual (per year)
Dried feedstock to dry silo (tons)	13	309	105,454

Particulate Emissions from Waste Feedstock Transfer into dry silo

Emissions from material transfer occur when material is dropped from one transfer point to another

Material Transfer Emissions

Emission Factor	$E = k(0.0032)(U/S)^{1.3}/[M/2]^{1.4}$	[AP-42 Chapter 13.2.4, Equation 1]
Mean Wind Speed	2.3 mph	Using an inbound windspeed of 200 feet/min required at natural draft openings in a permanent total enclosure per EPA Method 204
Material Moisture Content	10.0%	Moisture content in dried feedstock
Uncontrolled PM (TSP) Emissions Factor	0.00009 lb/ton per drop	k = 0.74 from AP-42 Chapter 13.2.4
Uncontrolled PM10 Emissions Factor	0.00004 lb/ton per drop	k = 0.35 from AP-42 Chapter 13.2.4
Uncontrolled PM2.5 Emissions Factor	0.00001 lb/ton per drop	k = 0.053 from AP-42 Chapter 13.2.4

Number of Transfer Points

Dryer to fully enclosed chain or screw conveyor	1
Fully enclosed chain or screw conveyor to dry silo	1
Number of Transfer Points for EU-4	2

Material Transfer Emissions (lbs)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
PM Material Transfer Emissions	0.00	0.06	19.12
PM10 Material Transfer Emissions	0.00	0.03	9.04
PM2.5 Material Transfer Emissions	0.00	0.00	1.37
PM Destruction Efficiency (%) of Abatement Device	99.9%	99.9%	99.9%
Controlled PM Material Transfer Emissions	0.00	0.00	0.02
Controlled PM10 Material Transfer Emissions	0.00	0.00	0.01
Controlled PM2.5 Material Transfer Emissions	0.00	0.00	0.00

VOC Emissions from Dried Decomposable Feedstock Storage

VOC Emissions Factor	0.13 lb VOC/ wet ton.day	VOC EF is a weighted average of green and food waste stockpile emission factors obtained from Source Testing (NTV-2145) at Napa Recycling and Waste Services, BAAQMD Plant # 17403; weighted by the ratio of typical ratio food waste:green waste expected in H-Cycle's feedstock
Ammonia Emissions Factor ¹	0.004 lb NH3/ wet ton.day	https://www.valleyair.org/busind/pto/emission_factors/Criteria/Criteria/Composting/Compost%20EF.pdf

1. Ammonia EF from SJVAPCD was scaled since 22% of the feed for the project will be comprised of the feed stream used to determine the NH3 EF.

Feedstock Throughput and Storage time	Maximum Hourly (per hour)	Maximum Daily (per day)	Maximum Annual (per year)
Throughput of dried feedstock (tons)	13	309	105,454
Residence Time at Source (days)	0.96	0.96	0.96
Total Waste-Time (Wet Ton.days)	12	296	101,060

S-15 VOC Emissions (lbs)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
Uncontrolled VOC Emissions (lb)	1.61	38.65	13205.22
Uncontrolled NH3 Emissions (lb)	0.05	1.30	444.67
Capture Efficiency [Assumption]	100%	100%	100%

VOC Destruction Efficiency (%) of Abatement Device ¹	80%	80%	80%
Fugitive VOC Emissions (lb)	0.00	0.00	0.00
Undestructed VOC Emissions (lb)	0.32	7.73	2641.04
Total Controlled VOC Emissions (lb)	0.32	7.73	2641.04

1. VOC abatement efficiency taken from Table III-3: Control Technologies for Composting Operations, https://ww3.arb.ca.gov/ei/areasrc/composting_emissions_inventory_methodology_final_combined.pdf

NH3 Destruction Efficiency (%) of Abatement Device	70%	70%	70%
Fugitive NH3 Emissions (lb)	0.00	0.00	0.00
Undestructed NH3 Emissions (lb)	0.02	0.39	133.40
Total Ammonia Emissions (lb)	0.02	0.39	133.40

1. Ammonia abatement efficiency taken from Table III-3: Control Technologies for Composting Operations, https://ww3.arb.ca.gov/ei/areasrc/composting_emissions_inventory_methodology_final_combined.pdf

TACEmissions from Decomposable Organic Waste

CAS #	Toxic Air Contaminant (TAC)	Weighted Average Weight % in VOC	Fugitive Hourly Emissions (lb/hr)	Fugitive Annual Emissions (lb/yr)	Undestructed Hourly Emissions (lb/hr)	Undestructed Annual Emissions (lb/yr)	Total Controlled Hourly Emissions (lb/hr)	Above Acute Trigger Level	Total Controlled Annual Emissions (lb/yr)	Above Chronic Trigger Level
75-07-0	Acetaldehyde	1.13E+00	0.00E+00	0.00E+00	3.64E-03	2.99E+01	3.64E-03	No	2.99E+01	Yes
67-63-0	Isopropyl alcohol (2-Propanol)	6.38E-01	0.00E+00	0.00E+00	2.05E-03	1.68E+01	2.05E-03	No	1.68E+01	No
67-56-1	Methyl alcohol (methanol)	1.38E+01	0.00E+00	0.00E+00	4.45E-02	3.65E+02	4.45E-02	No	3.65E+02	No
91-20-3	Naphthalene	9.30E-03	0.00E+00	0.00E+00	2.99E-05	2.45E-01	2.99E-05	No	2.45E-01	No
115-07-1	Propylene (1-Propene)	9.09E-03	0.00E+00	0.00E+00	2.93E-05	2.40E-01	2.93E-05	No	2.40E-01	No
107-05-1	Allyl chloride	6.80E-04	0.00E+00	0.00E+00	2.19E-06	1.80E-02	2.19E-06	No	1.80E-02	No
75-15-0	Carbon disulfide	7.19E-04	0.00E+00	0.00E+00	2.32E-06	1.90E-02	2.32E-06	No	1.90E-02	No
108-05-4	Vinyl acetate	2.25E-02	0.00E+00	0.00E+00	7.25E-05	5.95E-01	7.25E-05	No	5.95E-01	No
78-93-3	2-Butanone (MEK)	6.81E-01	0.00E+00	0.00E+00	2.19E-03	1.80E+01	2.19E-03	No	1.80E+01	No
107-06-2	1,2-Dichloroethane	1.08E-03	0.00E+00	0.00E+00	3.48E-06	2.85E-02	3.48E-06	No	2.85E-02	No
108-88-3	Toluene	4.52E-03	0.00E+00	0.00E+00	1.45E-05	1.19E-01	1.45E-05	No	1.19E-01	No
100-41-4	Ethylbenzene	2.39E-03	0.00E+00	0.00E+00	7.70E-06	6.31E-02	7.70E-06	No	6.31E-02	No
1330-20-7	m & p-Xylenes & o-Xylene	5.11E-03	0.00E+00	0.00E+00	1.65E-05	1.35E-01	1.65E-05	No	1.35E-01	No
100-42-5	Styrene	7.09E-03	0.00E+00	0.00E+00	2.28E-05	1.87E-01	2.28E-05	No	1.87E-01	No
7664-41-7	Ammonia		0.00	0.00	0.02	133.40	0.02	No	133.40	No
NPOC		8.71E-01	0.00E+00	0.00E+00	2.81E-03	2.30E+01	2.81E-03		2.30E+01	

S-25 OMNI Conversion Unit SRM and Refiner NG Burners

Source Description: Waste-to-Syngas conversion unit including feeder, converter, Carbon Recovery Vessel (CRV), Solid Residue Melter (SRM), cyclones, refining chamber, recuperator, slag removal unit, and natural gas-fired burners in SRM and refining chamber

Type of Fuel used: Natural gas	Normal Operation	Startup/ Shutdown
Max Heat input for SRM burners	5.00 MMBtu/hr	14.97 MMBtu/hr
Max Heat input for refiner burners	0.00 MMBtu/hr	25.32 MMBtu/hr

Operation Schedule	Heat-up Stack SU	Heat-up Stack SD	Flare SU	Flare SD
Hours per event	48.0 hrs/event	2.0 hrs/event	10.0 hrs/event	8.0 hrs/event
SU/SD Annual	192 hrs/year	8 hrs/year	40 hrs/year	32 hrs/year
Number of SU/SD Events	4 events/year	4 events/year	4 events/year	4 events/year

Fuel and Exhaust Default Properties:	Natural Gas
Fuel Heat Value (Btu/scf at 68 °F and 1 atm)	1020
Stoichiometric Fuel Factor Fd (DSCF exhaust per MMBtu heat input, at 68 °F, 1 atm, 0% excess O2)	8710

Normal Operation Emissions

Pollutant	Emissions During normal operation have been estimated along with boiler's emissions because the SRM and refining chamber burner combustion flue gas will be routed along with the syngas through the syngas treatment system and the boiler to the boiler's air pollution control system and then vented to atmosphere through a common stack. Please see Boiler's worksheet for total emissions from boiler and SRM and refining chamber burners during normal operation. During SU/SD, natural gas combustion emissions will be vented to the atmosphere through heat up stack or flare, depending on phase of SU/SD.
NOx	
CO	
VOC as methane	
PM10	
PM2.5	
SO2	

Pollutant	Emission Factor During SU & SD Venting through Heat-up Stack			SU/SD Emissions Vented through Heat-up Stack		
	SU Emissions Factor	SD Emissions Factor	Reference	Max Hourly (lb/hour)	Max Daily (lb/day)	Annual (lb/year)
NOx	510 lb/SU event	20 lb/SD event	A	10.63	255.00	2120.00
CO	1,330 lb/SU event	50 lb/SD event	A	27.71	665.00	5520.00
VOC as methane	0.0054 lb/MMBtu fuel input			B	0.22	43.45
PM10	0.0075 lb/MMBtu fuel input			B	0.30	60.04
PM2.5	0.0075 lb/MMBtu fuel input			B	0.30	60.04
SO2	0.0006 lb/MMBtu fuel input			B	0.02	4.74

Pollutant	Emission Factor During SU & SD Venting through Flare			SU/SD Emissions Vented through Flare		
	SU Emissions Factor	SD Emissions Factor	Reference	Max Hourly (lb/hour)	Max Daily (lb/day)	Annual (lb/year)
NOx	190 lb/SU event	90 lb/SD event	A	19.00	190.00	1120.00
CO	460 lb/SU event	220 lb/SD event	A	46.00	460.00	2720.00
VOC as methane	0.0054 lb/MMBtu fuel input		B	0.22	2.17	15.64
PM10	0.0075 lb/MMBtu fuel input		B	0.30	3.00	21.61
PM2.5	0.0075 lb/MMBtu fuel input		B	0.30	3.00	21.61
SO2	0.0006 lb/MMBtu fuel input		B	0.02	0.24	1.71

Reference: A Applicant/ Vendor Specification
 B AP-42, 5th Edition, Chapter 1.4

Notes: Emission factor in lb/MMBtu derived either by dividing Emission factor in lb/MM cu. Ft. by Fuel Heat Value

TAC Emissions From External Natural Gas Combustion During SU/SD: During SU/SD natural gas combustion emissions will be vented to the atmosphere through heat up stack or flare (S-36/A-35)

CAS #	Toxic Air Contaminant (TAC)	Default Emission Factor lb/MMBtu fuel input	SU/SD Emissions Vented through Heat-up Stack			SU/SD Emissions Vented through Flare		
			Max Hourly Emissions lb/hr	Above Acute Trigger Level	Annual Emissions lb/yr	Above Chronic Trigger Level	Max Hourly Emissions lb/hr	Annual Emissions lb/yr
75-07-0	ACETALDEHYDE	4.22E-06	1.70E-04	No	3.40E-02	No	1.70E-04	1.22E-02
107-02-8	ACROLEIN	2.65E-06	1.07E-04	No	2.14E-02	No	1.07E-04	7.69E-03
7440-38-2	ARSENIC	1.96E-07	7.90E-06	No	1.58E-03	No	7.90E-06	5.69E-04
71-43-2	BENZENE	7.84E-06	3.16E-04	No	6.32E-02	No	3.16E-04	2.27E-02
7440-41-7	BERYLLIUM	5.88E-09	2.37E-07	No	4.74E-05	No	2.37E-07	1.71E-05
7440-43-9	CADMIUM	1.08E-06	4.35E-05	No	8.70E-03	No	4.35E-05	3.13E-03
7440-50-8	COPPER	8.33E-07	3.36E-05	No	6.71E-03	No	3.36E-05	2.42E-03
100-41-4	ETHYLBENZENE	9.31E-06	3.75E-04	No	7.50E-02	No	3.75E-04	2.70E-02
110-54-3	n-HEXANE	6.18E-06	2.49E-04	No	4.98E-02	No	2.49E-04	1.79E-02
7439-92-1	LEAD	4.90E-07	1.97E-05	No	3.95E-03	No	1.97E-05	1.42E-03
7439-96-5	MANGANESE	3.73E-07	1.50E-05	No	3.01E-03	No	1.50E-05	1.08E-03
7439-97-6	MERCURY	2.55E-07	1.03E-05	No	2.05E-03	No	1.03E-05	7.40E-04
91-20-3	NAPHTHALENE	5.98E-07	2.41E-05	No	4.82E-03	No	2.41E-05	1.73E-03
7440-02-0	NICKEL	2.06E-06	8.30E-05	No	1.66E-02	No	8.30E-05	5.98E-03
1150/1151	PAH (as benzo(a)pyrene-equiv.)	6.60E-09	2.66E-07	No	5.32E-05	No	2.66E-07	1.91E-05
115-07-1	PROPYLENE	7.17E-04	2.89E-02	No	5.78E+00	No	2.89E-02	2.08E+00
7782-49-2	SELENIUM	1.18E-08	4.75E-07	No	9.51E-05	No	4.75E-07	3.42E-05
108-88-3	TOLUENE	3.59E-05	1.45E-03	No	2.89E-01	No	1.45E-03	1.04E-01
7440-62-2	VANADIUM	2.25E-06	9.07E-05	No	1.81E-02	No	9.07E-05	6.53E-03
1330-20-7	XYLENES	2.67E-05	1.08E-03	No	2.15E-01	No	1.08E-03	7.75E-02

Reference: BAAQMD Toxic Air Contaminant (TAC) Emission Factor Guidelines, Appendix A, Default TAC Emission Factors for Specific Source Categories, August 2020

https://www.baaqmd.gov/~media/files/ab617-community-health/facility-risk-reduction/documents/tac_emission_factor_guidance_appendixa_august_2020-pdf.pdf?la=en

GHG Emissions							
SU/SD							
Pollutant	Emission Factor	Units	Emissions (kg/hr)	Emissions (Mton/year)	GWP	Emissions (Mton CO2e/year)	
CO2	53.06	kg CO2/mmBtu	2,137.79	581.48	1	581.48	
CH4	1	g CH4/mmBtu	0.040	0.0110	25	0.27	
N2O	0.1	g N2O/mmBtu	0.004	0.0011	298	0.33	
Total CO2e =						582.08	metric tons
Normal Operation							
Pollutant	Emission Factor	Units	Emissions (kg/hr)	Emissions (Mton/year)	GWP	Emissions (Mton CO2e/year)	
CO2	53.06	kg CO2/mmBtu	265.30	2,175.46	1	2,175.46	
CH4	1	g CH4/mmBtu	0.005	0.041	25	1.03	
N2O	0.1	g N2O/mmBtu	0.001	0.004	298	1.22	
Total CO2e =						2,177.71	metric tons
Total CO2e =						2,759.79	metric tons

Notes:

Method for calculating GHGs as described in 40 CFR Part 98. Guidance: <https://www.epa.gov/sites/default/files/2020-12/documents/stationaryemissions.pdf>

Emission factors for natural gas are from Federal Register EPA; 40 CFR Part 98; e-CFR, (see link below). Table C-1 and Table C-2 (78 FR 71950, Nov. 29, 2013, as amended at 81 FR 89252, Dec. 9, 2016), Table AA-1 (78 FR 71965, Nov. 29, 2013).

[eCFR :: 40 CFR Part 98 -- Mandatory Greenhouse Gas Reporting](#)

S-30 Slag Handling, Crushing, and Storage

Source Description: Slag conveying, cooling, crushing, storage and loading processes

Throughput	Maximum Hourly (per hour)	Maximum Daily (per day)	Annual (per year)
Slag Throughput (tons)	2.0	48.0	16,294.0

8.147

Material Transfer Emissions

Emission Factor	$E = k(0.0032)(U/5)^{1.3} / (M/2)^{1.4}$	[AP-42 Chapter 13.2.4, Equation 1]
Mean Wind Speed	3.6 mph	For Concord-Buchanan FIELD (KCCR) [https://wrcc.dri.edu/Climate/comp_table_show.php?type=wind_speed_avg.2001-2011] Note: The transfer operations will be conducted via covered conveyors, where mean wind speed is typically lower than ambient wind speed. Therefore, half the ambient wind speed was used.
Material Moisture Content	3.6%	From AP-42 Chapter 13.2.4, Table 13.2.4-1, for slag at MSW landfill
Uncontrolled PM (TSP) Emissions Factor	0.00068 lb/ton per drop	
Uncontrolled PM10 Emissions Factor	0.00032 lb/ton per drop	
Uncontrolled PM2.5 Emissions Factor	0.00005 lb/ton per drop	

Number of Transfer Points

From SRM to Drag Chain Conveyor	1
From Chain Conveyor to Wet Quench/Cooling	1
From Wet Quench/Cooling to Chain Conveyor	1
From Chain Conveyor to Crusher	1
From Crusher to Chain Conveyor	1
From Chain Conveyor to Roll-up containers/ bunkers	1
From Bunkers to Loader	1
From Loader to Trucks	1
Total	8

Material Transfer Emissions (lbs)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
Uncontrolled Material Transfer PM	0.01	0.26	88.44
Uncontrolled Material Transfer PM10	0.01	0.12	41.83
Uncontrolled Material Transfer PM2.5	0.00	0.02	6.33
Control Efficiency	0%	0%	0%
Controlled Material Transfer PM	0.01	0.26	88.44
Controlled Material Transfer PM10	0.01	0.12	41.83
Controlled Material Transfer PM2.5	0.00	0.02	6.33

Crusher Emissions

Pollutant	PM	PM10	PM2.5
Emissions Factor (lb/ton) [From AP-42 Chapter 11.19.2, Table 11.19.2-2]	Uncontrolled 0.0054	Uncontrolled 0.0024	Uncontrolled 0.00044
Hourly Emissions (lb/hr)	0.01	0.00	0.00
Daily Emissions (lb/day)	0.26	0.12	0.02
Annual Emissions (lb/year)	87.99	39.11	7.24

Wind Erosion Emissions

Slag will be stored either in a closed roll-up container/ closed bunkers and will not be stored in open stockpiles (per solid waste permit). Therefore, there will be no emission from wind erosion

Total Emissions (lb)	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
Total PM Emissions	0.022	0.520	176.428
Total PM10 Emissions	0.010	0.238	80.935
Total PM2.5 Emissions	0.002	0.040	13.576

CAS #	Component	Slag generated from Feedstock #1	Slag generated from Feedstock #2	Slag generated from Feedstock #3	Max Component Concentration	Total Hourly Emissions ²	Above Acute Trigger Level	Total Annual Emissions ³	Above Chronic Trigger Level
		% by Weight ¹	% by Weight ¹	% by Weight ¹	% by Weight	lb/hr		lb/yr	
7631-86-9	Silicon dioxide (assumes crystalline silica)	68.20%	34.86%	40.39%	68.2000%	1.48E-02	No	5.52E+01	No
7429-90-5	Aluminium oxide	5.34000%	11.99000%	9.6700%	11.9900%	2.60E-03	Yes	9.70E+00	Yes
13463-67-7	Titanium dioxide	0.58000%	0.80000%	0.3800%	0.8000%	1.73E-04	Yes	6.47E-01	Yes
1345-25-1	Ferrous oxide	3.60000%	15.43000%	9.7300%	15.4300%	3.34E-03	Yes	1.25E+01	Yes
7440-70-2	Calcium oxide	10.42000%	17.73000%	18.7600%	18.7600%	4.06E-03	Yes	1.52E+01	Yes
1309-48-4	Magnesium oxide	0.31000%	7.56000%	2.1400%	7.5600%	1.64E-03	Yes	6.12E+00	Yes
1313-59-3	Sodium oxide	10.92000%	2.47000%	7.7300%	10.9200%	2.36E-03	Yes	8.84E+00	Yes
12136-45-7	Potassium oxide	0.50000%	0.95000%	5.2600%	5.2600%	1.14E-03	Yes	4.26E+00	Yes
1314-56-3	Phosphorous pentoxide	0.04960%	0.69000%	3.3100%	3.3100%	7.17E-04	Yes	2.68E+00	Yes
7446-11-9	Sulfur trioxide	0.00980%	6.64000%	2.4000%	6.6400%	1.44E-03	No	5.37E+00	No
7440-36-0	Antimony trioxide	0.00120%	0.00310%	0.0005%	0.0031%	6.71E-07	No	2.51E-03	No
7440-39-3	Barium oxide	0.00320%	0.01000%	0.0100%	0.0100%	2.17E-06	Yes	8.09E-03	Yes
7440-41-7	Beryllium oxide	0.00010%	0.00030%	0.0003%	0.0003%	6.50E-08	No	2.43E-04	No
7440-48-4	Cobalt oxide	0.00050%	0.03000%	0.0300%	0.0300%	6.50E-06	No	2.43E-02	Yes
1308-38-9	Chromium oxide (Cr2O3)	0.00520%	0.05000%	0.0200%	0.0500%	1.08E-05	No	4.05E-02	No
7440-50-8	Copper oxide	0.05120%	0.72000%	0.1100%	0.7200%	1.56E-04	No	5.83E-01	No
7439-92-1	Lead oxide	0.00010%	0.00080%	0.0002%	0.0008%	1.73E-07	No	6.47E-04	No
7439-96-5	Manganese oxide	0.00260%	0.04000%	0.0300%	0.0400%	8.66E-06	No	3.24E-02	No
1313-27-5	Molybdenum trioxide	0.00010%	0.00020%	0.0001%	0.0002%	4.33E-08	Yes	1.62E-04	Yes
7440-02-0	Nickel oxide	0.00210%	0.03000%	0.0200%	0.0300%	6.50E-06	No	2.43E-02	No
11113-88-5	Disilver oxide	0.00000%	0.00020%	0.0001%	0.0002%	4.33E-08	Yes	1.62E-04	Yes
1314-62-1	Vanadium pentoxide	0.00060%	0.00280%	0.0017%	0.0028%	6.06E-07	No	2.27E-03	No
18282-10-5	Tin oxide	0.00010%	0.00080%	0.0003%	0.0008%	1.73E-07	Yes	6.47E-04	Yes

Notes:

¹ Component concentration in slag on % by weight basis was provided by HCycle from the slag assay.

² Hourly TAC Emissions = Fraction of hourly PM Emissions

³ Annual TAC Emissions = Fraction of Annual PM10 Emissions

S-36 Flare

Description: Natural gas combustion in pilot; off-spec syngas combustion during startup/shutdown and process upsets

Flared Gas	LP Gas Flaring	HP Gas Flaring	Surplus H2 Flaring
Type of Flare	Enclosed ground	Enclosed ground	Enclosed ground
Higher Heating Value of gas flared (Btu/scf)	232.94	122.15	319
Flow rate of gas burned/ flared (scfm)	4375	5571	3762
Flared gas heat input (MMBtu/hr)	61	41	72
Stoichiometric Fuel Factor Fd (DSCF exhaust per MMBtu heat input, at 68 °F, 1 atm, 0% excess O2)	8521.56	8445.55	
% by volume methane in gas flared	0.78%	0.61%	0.00%
Total Sulfur Content (ppmv)	2244	0.003175	0.000000

Pilot Gas	LP Gas Flaring	HP Gas Flaring	Surplus H2 Flaring
Pilot fuel type	Natural Gas	Natural Gas	Natural Gas
Higher Heating value of pilot fuel (Btu/scf)	1020	1020	1020
Flow rate of pilot fuel (scfm)	12.63	12.63	12.63
Pilot fuel heat input (MMBtu/hr)	0.773	0.773	0.773

Flare Operating hours	LP Gas Flaring	HP Gas Flaring	Surplus H2 Flaring
Daily (hr/day) per SU	4.5	5	24
Daily (hr/day) per SD	4.0	4	24
Annual (hr/year)	34.0	36	500

Criteria Pollutants - Flared Syngas ¹	Emission Factor (lb/MMBtu)	Reference	Flaring Emissions		
			max lb/hr	max lb/day	lb/yr
NOx	0.0680 lb/MMBtu fuel input	AP-42 Chapter 13.5 Table 13.5-1 for elevated flares	4.15	32.61	241.40
CO	0.3100 lb/MMBtu fuel input	AP-42 Chapter 13.5 Table 13.5-2 for elevated flares	18.91	148.65	1,100.50
VOC as methane	0.0039 lb/MMBtu fuel input	AP-42 Chapter 13.5 Table 13.5-1 for enclosed ground	0.24	1.86	13.77
PM10	15.00000 lb/MMscf methane	AP-42 Chapter 2.4, Table 2.4-4	0.03	0.29	2.15
PM2.5	15.00000 lb/MMscf methane	AP-42 Chapter 2.4, Table 2.4-4	0.03	0.29	2.15
SO2		100% oxidation of Total Sulfur in flared gas	97.61	439.23	3,318.66

¹Excludes excess hydrogen flaring

Criteria Pollutants - Natural Gas Pilot	Emission Factor (lb/MMBtu) ¹	Pilot Emissions		
		max lb/hr	max lb/day	lb/yr
NOx	9.80E-02	7.58E-02	1.82E+00	6.64E+02
CO	8.24E-02	6.37E-02	1.53E+00	5.58E+02
VOC as methane	5.39E-03	4.17E-03	1.00E-01	3.65E+01
PM10	7.45E-03	5.76E-03	1.38E-01	5.05E+01
PM2.5	7.45E-03	5.76E-03	1.38E-01	5.05E+01
SO2	5.88E-04	4.55E-04	1.09E-02	3.98E+00

¹AP-42, 5th Edition, Chapter 1.4, Uncontrolled small boiler factors

Total Flare Criteria Pollutant Emissions ¹	Total Flaring Criteria Pollutant Emissions (Normal Operation)		
	max lb/hr	max lb/day	lb/yr
NOx	7.58E-02	1.82E+00	6.05E+02
CO	6.37E-02	1.53E+00	5.09E+02
VOC as methane	4.17E-03	1.00E-01	3.33E+01
PM10	5.76E-03	1.38E-01	4.60E+01
PM2.5	5.76E-03	1.38E-01	4.60E+01
SO2	4.55E-04	1.09E-02	3.63E+00

¹Excludes excess hydrogen flaring

Total Flare Criteria Pollutant Emissions (SU/SD) ¹	Total Flaring Criteria Pollutant Emissions (SU/SD)		
	max lb/hr	max lb/day	lb/yr
NOx	2.32E+01	2.24E+02	1.38E+03
CO	6.50E+01	6.10E+02	3.84E+03
VOC as methane	4.58E-01	4.13E+00	3.05E+01
PM10	3.37E-01	3.43E+00	2.51E+01
PM2.5	3.37E-01	3.43E+00	2.53E+01
SO2	9.76E+01	4.39E+02	3.32E+03

¹Excludes excess hydrogen flaring

Notes

- ¹ BAAQMD Toxic Air Contaminant (TAC) Emission Factor Guidelines, Appendix A, Default TAC Emission Factors for Specific Source Categories, August 2020
https://www.baaqmd.gov/~media/files/ab617-community-health/facility-risk-reduction/documents/tac_emission_factor_guidance_appendixa_august_2020-pdf.pdf?la=en
- ² TAC emission factors from LP Flare gas combustion estimated using the flare gas speciation profile obtained from process simulation and assumed abatement efficiency of the flare
- ² Flared gas emission factors are based off of process simulation numbers.
- ³ CATEF does not provide default factors for CDD/CDF for LFG flaring. These factors were obtained from AP-42 Chapter 2.4

Total Flare Criteria Pollutant Emissions (Hydrogen Flar)	Total Flaring Criteria Pollutant Emissions (Hydrogen Flaring)		
	max lb/hr	max lb/day	lb/yr
NOx	4.97E+00	1.19E+02	2.49E+03
CO	6.37E-02	1.53E+00	3.18E+01
VOC as methane	4.17E-03	1.00E-01	2.08E+00
PM10	5.76E-03	1.38E-01	2.88E+00
PM2.5	5.76E-03	1.38E-01	2.88E+00
SO2	4.55E-04	1.09E-02	2.27E-01

¹Is only representative of periods of excess hydrogen flaring (500 hours per year)

GHG						
Pilot/Normal Operations						
Pollutant	Emission Factor	Units	Emissions (kg/hr)	Emissions (Mton/year)	GWP	Emissions (Mton CO2e/year)
CO2	53.06	kg CO2/mmBtu	41.02	336.40	1	336.40
CH4	1	g CH4/mmBtu	0.0008	0.0063	25	0.16
N2O	0.1	g N2O/mmBtu	0.0001	0.0006	298	0.19
Total CO2e =						336.75
						metric tons

Notes:

Method for calculating GHGs as described in 40 CFR Part 98. Guidance: <https://www.epa.gov/sites/default/files/2020-12/documents/stationaryemissions.pdf>
 Emission factors for natural gas are from Federal Register EPA; 40 CFR Part 98; e-CFR, (see link below). Table C-1 and Table C-2 (78 FR 71950, Nov. 29, 2013, as amended at 81 FR 89252, Dec. 9, 2016), Table AA-1 (78 FR 71965, Nov. 29, 2013).
[eCFR :: 40 CFR Part 98 -- Mandatory Greenhouse Gas Reporting](#)

S-40 Natural Gas and PSA Offgas-fired Boiler

Source Description: Boiler that uses natural gas and PSA offgas as fuel

Type of Fuel used:	Natural Gas and PSA Offgas	Normal Operation [Includes Natural Gas Combustion in SRM and Refining Chamber Burners]	Startup/ Shutdown
Max heat input by fuel type ¹	Natural gas	45.00 MMBtu/hr	60.00 MMBtu/hr
	PSA Offgas	20.00 MMBtu/hr	0.00 MMBtu/hr
	Combined NG + PSA Offgas	65.00 MMBtu/hr	

1. Based on PTE

Operation Schedule	Normal Operation of OMNI Unit	Startup/ Shutdown of OMNI Unit
Daily	24.0 hrs/day	24.0 hrs/day
Annual	8,200 hrs/year	272.0 hrs/year

NOx Vendor Guarantee	5.0 ppmv at	3.0 % O2
CO Vendor Guarantee	50.0 ppmv at	3.0 % O2
VOC Vendor Guarantee	10.0 ppmv at	3.0 % O2
SOx Vendor Guarantee	2.0 ppmv at	3.0 % O2
PM10/PM2.5 Vendor Guarantee	0.005 lb/MMBtu HHV	
NH3 Vendor Guarantee	5.0 ppmv at	3.0 % O2

Fuel and Exhaust Default Properties:	Natural Gas	Combined NG + PSA Offgas	PSA Offgas Only
Fuel Heat Value (BTU/SCF at 68 °F and	1020	203.13	72.29
Stoichiometric Fuel Factor Fd (DSCF exhaust per MMBtu heat input, at 68 °F, 1 atm, 0% excess O2)	8710	11612	17653

Pollutant	Emission Factor (lb/MMBtu fuel input)		Controlled Boiler Emissions		
	Only Natural Gas	Combined NG + PSA Offgas	Maximum Hourly (lb/hour)	Maximum Daily (lb/day)	Annual (lb/year)
NOx	0.0061	0.0081	0.53	12.63	4414
CO	0.0370	0.0493	3.20	76.88	26870
VOC as methane	0.0042	0.0056	0.37	8.78	3070
PM10	0.0050	0.0050	0.33	7.80	2747
PM2.5	0.0050	0.0050	0.325	7.80	2747
SO2	0.0006	0.0045	0.29	7.03	2410

Notes: Emission factor in lb/MMBtu derived using this equation:

$$EF \left(\frac{lb}{MMBtu} \right) = \frac{ppm}{10^6} \times F_d \times \left(\frac{20.9}{20.9 - \%O_2} \right) \times \frac{MW}{M_v}$$

Molar Volume (Mv) = 385.3 scf/mole at 68 °F and 1 atm
 Molecular Weight of NOx = 46.0 lb/mole
 Molecular Weight of CO = 28.0 lb/mole
 Weight of VOC as methane = 16.0 lb/mole
 Molecular Weight of Sulfur = 32.0 lb/mole
 Molecular Weight of SO2 = 64.0 lb/mole

198-55-0	Perylene	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85-01-8	Phenanthrene	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7723-14-0	Phosphorus	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7440-09-7	Potassium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115-07-1	Propylene	7.17E-04	0.00E+00	4.30E-02	2.76E+02	4.30E-02	2.76E+01	4.30E-03	
129-00-0	Pyrene	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7782-49-2	Selenium	1.18E-08	0.00E+00	7.08E-07	4.55E-03	7.08E-07	4.55E-03	7.08E-07	
7440-21-3	Silicon	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7440-23-5	Sodium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7440-31-5	Tin	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7440-32-6	Titanium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108-88-3	Toluene	3.59E-05	0.00E+00	2.15E-03	1.38E+01	2.15E-03	1.38E+00	2.15E-04	
7440-62-2	Vanadium	2.25E-06	0.00E+00	1.35E-04	8.67E-01	1.35E-04	8.67E-01	1.35E-04	
1330-20-7	Xylenes	2.67E-05	0.00E+00	1.60E-03	1.03E+01	1.60E-03	1.03E+00	1.60E-04	

Notes

¹ BAAQMD Toxic Air Contaminant (TAC) Emission Factor Guidelines, Appendix A, Default TAC Emission Factors for Specific Source Categories, August 2020

https://www.baaqmd.gov/~media/files/ab617-community-health/facility-risk-reduction/documents/tac_emission_factor_guidance_appendixa_august_2020-pdf.pdf?la=en

² TAC emission factors from PSA offgas combustion estimated using the syngas speciation profile obtained from process simulation and assumed abatement efficiency of gas treatment system and boiler

GHG SU/SD - Natural Gas Only						
Pollutant	Emission Factor	Units	Emissions (kg/hr)	Emissions (Mton/year)	GWP	Emissions (Mton CO2e/year)
CO2	53.06	kg CO2/mmBtu	3,183.60	865.94	1	865.94
CH4	1	g CH4/mmBtu	0.06	0.016	25	0.41
N2O	0.1	g N2O/mmBtu	0.01	0.002	298	0.49
Total CO2e =						866.83 metric tons
Normal Operation - Natural Gas Only						
Pollutant	Emission Factor	Units	Emissions (kg/hr)	Emissions (Mton/year)	GWP	Emissions (Mton CO2e/year)
CO2	53.06	kg CO2/mmBtu	2,387.70	19,579.14	1	19,579.14
CH4	1	g CH4/mmBtu	0.05	0.369	25	9.23
N2O	0.1	g N2O/mmBtu	0.00	0.037	298	11.00
Total CO2e =						19,599.36 metric tons
Normal Operation - PSA Only						
Pollutant	Emission Factor	Units	Emissions (kg/hr)	Emissions (Mton/year)	GWP	Emissions (Mton CO2e/year)
CO2	52.07	kg CO2/mmBtu	1,041.40	8,539.48	1	8,539.48
CH4	3.2	g CH4/mmBtu	0.06	0.52	25	13.12
N2O	0.63	g N2O/mmBtu	0.01	0.10	298	30.79
Total CO2e =						8,583.39 metric tons

Notes:

Method for calculating GHGs as described in 40 CFR Part 98. Guidance: <https://www.epa.gov/sites/default/files/2020-12/documents/stationaryemissions.pdf>

Emission factors for natural gas and other biomass gas are from Federal Register EPA; 40 CFR Part 98; e-CFR, (see link below). Table C-1 and

Table C-2 (78 FR 71950, Nov. 29, 2013, as amended at 81 FR 89252, Dec. 9, 2016), Table AA-1 (78 FR 71965, Nov. 29, 2013).

[eCFR :: 40 CFR Part 98 -- Mandatory Greenhouse Gas Reporting](#)

S-75 Emergency Diesel-fired ICE - Generator Set

Source Description: Diesel-fired engine-generator set to generate electricity for emergency use. Abatement for the engine includes DPF, oxidation catalyst, and SCR.

Non-Emergency Operating Hours Per Year (hr/yr) 50
 Emergency Use Operating Hours (hr/yr) 100

From Manufacturer's Data

Fuel Consumption Rate (gal/hr)	31	H Cycle Data	Calc MMBTU/hr =	4.27
Brake Horsepower of Engine (HP)	680			

Pollutant	From CARB/EPA Certification Tier 2 Certified Emission Rate, (Unabated Emission Factor) (g/kw-hr)	Abatement Efficiency (%)	Abated Emission Factor (g/hp-hr)	Hourly Emissions (lb/hr)	Annual Emissions (lb/yr)	Annual Emissions (TPY)	Max. Daily Emissions (lb/day)	Annual PTE; Per BAAQMD Emergency Engine Policy (TPY)
NMHC+NOx	5.74		4.28					
NOx	5.64	88%	0.50	0.75	37.48	0.019	17.99	0.056
POC	0.10		0.07	0.11	5.59	0.003	2.68	0.008
CO	0.60		0.45	0.67	33.54	0.017	16.10	0.050
PM ₁₀ / PM2.5/ DPM	0.13		0.10	0.15	7.27	0.004	3.49	0.011
SO ₂ *			0.006	0.01	0.41	0.000	0.20	0.001

15ppm ULSD; Heating Value of Diesel = 19300 Btu/lb or 137000 Btu/gal; Heating value of diesel from footnote to Table 3.3-1 of AP-42

Note: The SO₂ emission factor was derived from EPA AP-42, Table 3.4-1. $SO_2(15ppm) : \{0.00809 + 0.0015 \frac{lb SO_2}{bhp hr} + 453.592 \frac{g}{lb} = 0.006 \frac{g}{bhp hr}$

Only for engines with SCR

Ammonia Slip Concentration (ppmv @15% O₂) 10
 Stoichiometric Fuel Factor Fd (DSCF exhaust per MMBtu heat input, at 68 °F and 1 atm) 9190
 Molar Volume @ 68°F (dscf/mol-lb) 385.3
 Ammonia Emission Factor (lb/MMBtu) 1.44E-02

CAS#	Pollutant	Hourly Emission Rate (lb/hr)	Above Acute Trigger Level	Annual Emission Rate (lb/yr)	Above Chronic Trigger Level
7664-41-7	Ammonia (NH ₃)	6.15E-02	No	3.08E+00	No
9901	DPM	1.45E-01	No	7.27E+00	Yes

GHG Distillate Fuel Oil 2						
Pollutant	Emission Factor	Units	Emissions (kg/hr)	Emissions (Mton/year)	GWP	Emissions (Mton CO ₂ e/year)
CO ₂	10.21	kg CO ₂ /gal	318.55	47.78	1	47.78
CH ₄	0.41	g CH ₄ /gal	0.01	0.0019	25	0.05
N ₂ O	0.08	g N ₂ O/gal	0.00	0.0004	298	0.11
Total CO₂e =						47.94 metric tons

Notes:

Method for calculating GHGs as described in 40 CFR Part 98. Guidance: <https://www.epa.gov/sites/default/files/2020-12/documents/stationaryemissions.pdf>

Emission factors for distillate fuel oil # 2 are from Federal Register EPA; 40 CFR Part 98; e-CFR, (see link below). Table C-1 and

Table C-2 (78 FR 71950, Nov. 29, 2013, as amended at 81 FR 89252, Dec. 9, 2016), Table AA-1 (78 FR 71965, Nov. 29, 2013).

[eCFR :: 40 CFR Part 98 -- Mandatory Greenhouse Gas Reporting](#)

S-80 Emergency Diesel-fired ICE for Fire Water Pump

Source Description: Diesel-fired engine for emergency use to operate firewater pump. Abatement for the engine includes DPF, oxidation catalyst, and SCR.

Non-Emergency Operating Hours Per Year (hr/yr) 50

From Manufacturer's Data

Fuel Consumption Rate (gal/hr)	10	H Cycle Data	Calc MMBTU/hr =	1.34
Brake Horsepower of Engine (HP)	175			

Pollutant	From CARB/EPA Certification Tier 3 Certified Emission Rate, (Unabated Emission Factor) (g/kw-hr)	Abatement Efficiency (%)	Abated Emission Factor (g/hp-hr)	Hourly Emissions (lb/hr)	Annual Emissions (lb/yr)	Annual Emissions (TPY)	Max. Daily Emissions (lb/day)	Annual PTE; Per BAAQMD Emergency Engine Policy (TPY)
NMHC+NOx	3.40		2.54					
NOx	3.32	88%	0.30	0.116	5.79	0.0029	2.78	0.003
POC	0.08		0.06	0.024	1.19	0.0006	0.57	0.001
CO	1.60		1.19	0.460	23.02	0.0115	11.05	0.012
PM ₁₀ / PM2.5/ DPM	0.15		0.11	0.043	2.14	0.0011	1.03	0.001
SO ₂ *			0.006	0.002	0.11	0.0001	0.05	0.000

15ppm ULSD; Heating Value of Diesel = 19300 Btu/lb or 137000 Btu/gal; Heating value of diesel from footnote to Table 3.3-1 of AP-42

Note: The SO₂ emission factor was derived from EPA AP-42, Table 3.4-1. $SO_2(15ppm): \{0.00809 * 0.0015 \frac{lb SO_2}{bhp hr} * 453.592 \frac{g}{lb} = 0.006 \frac{g}{bhp hr}$

Only for engines with SCR

Ammonia Slip Concentration (ppmv @15% O ₂)	10
Stoichiometric Fuel Factor Fd (DSCF exhaust per MMBtu heat input, at 68 °F and 1 atm)	9190
Molar Volume @ 68°F (dscf/mol-lb)	385.3
Ammonia Emission Factor (lb/MMBtu)	1.44E-02

CAS#	Pollutant	Hourly Emission Rate (lb/hr)	Above Acute Trigger Level	Annual Emission Rate (lb/yr)	Above Chronic Trigger Level
7664-41-7	Ammonia (NH ₃)	1.93E-02	No	9.66E-01	No
9901	DPM	4.29E-02	No	2.14E+00	Yes

GHG						
Distillate Fuel Oil 2						
Pollutant	Emission Factor	Units	Emissions (kg/hr)	Emissions (Mton/year)	GWP	Emissions (Mton CO ₂ e/year)
CO ₂	10.21	kg CO ₂ /gal	100.04	5.00	1	5.00
CH ₄	0.41	g CH ₄ /gal	0.004	2.01E-04	25	0.01
N ₂ O	0.08	g N ₂ O/gal	0.001	3.92E-05	298	0.01
Total CO₂e =						5.02 metric tons

Notes:

Method for calculating GHGs as described in 40 CFR Part 98. Guidance: <https://www.epa.gov/sites/default/files/2020-12/documents/stationaryemissions.pdf>

Emission factors for distillate fuel oil # 2 are from Federal Register EPA; 40 CFR Part 98; e-CFR, (see link below). Table C-1 and

Table C-2 (78 FR 71950, Nov. 29, 2013, as amended at 81 FR 89252, Dec. 9, 2016), Table AA-1 (78 FR 71965, Nov. 29, 2013).

[eCFR :: 40 CFR Part 98 -- Mandatory Greenhouse Gas Reporting](#)

S-85 Cooling Tower [EXEMPT]

Source Description: Cooling water will be circulated through heat exchangers and does not come in contact with process streams. Cooling tower will not be used for evaporative cooling of process water.

Type of cooling tower	TBD
Please specify the type and concentration in ppm by weight of any water treatment chemical used	TBD

Capacity of cooling tower (gpm)	2975
Total Dissolved solids in circulating water (ppm by weight)	870
Drift loss (%)	0.001
Daily Operating hours	24
Annual Operating Hours	8200

Hourly PM Emissions (lb/hr)	0.0130
Daily PM Emissions (lb/day)	0.311
Annual PM Emissions (lb/yr)	106.2
Hourly PM10 Emissions (lb/hr)	0.009
Daily PM10 Emissions (lb/day)	0.218
Annual PM10 Emissions (lb/yr)	74.342
Hourly PM2.5 Emissions (lb/hr)	0.005
Daily PM2.5 Emissions (lb/day)	0.131
Annual PM2.5 Emissions (lb/yr)	44.605

Notes:

AQMD CEIDARS Table with PM2.5 Fractions used to calculate PM10 and PM2.5 from total PM:

[Microsoft Word - final-methodology-to-calculate-pm2-5-and-pm2-5-significance-thresholds \(aqmd.gov\)](#)

S-90 Wastewater Treatment Plant

Source Description: Wastewater from various process units is treated.

Total Volumetric Flow Rate	4,702 gal/hr
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CAS No.	Pollutant	Total Emissions ¹					PEF (PAHs)
		Maximum Hourly (lb/hour)	Above Acute Trigger Level	Maximum Daily (lb/day)	Annual (lb/year)	Above Chronic Trigger Level	
107-06-2	1,2-Dichloroethane	0.00000	No	0.00000	0.00000	No	
56-55-3	Benzo[a]anthracene	0.00000	See PAH B(a)P-eq	0.00005	0.01750	See PAH B(a)P-eq	0.1
50-32-8	Benzo[a]pyrene	0.00001	See PAH B(a)P-eq	0.00035	0.11913	See PAH B(a)P-eq	1
205-99-2	Benzo[b]fluoranthene	0.00000	See PAH B(a)P-eq	0.00011	0.03849	See PAH B(a)P-eq	0.1
191-24-2	Benzo(g,h,i)perylene	0.00007	No	0.00165	0.56312	No	
207-08-9	Benzo[k]fluoranthene	0.00000	See PAH B(a)P-eq	0.00005	0.01734	See PAH B(a)P-eq	0.1
92-52-4	Biphenyl	0.00000	No	0.00000	0.00000	No	
108-90-7	Chlorobenzene	0.00000	No	0.00000	0.00013	No	
218-01-9	Chrysene	0.00000	See PAH B(a)P-eq	0.00008	0.02607	See PAH B(a)P-eq	0.01
75-09-2	Dichloromethane	0.00000	No	0.00000	0.00000	No	
118-74-1	Hexachlorobenzene	0.00000	No	0.00000	0.00000	No	
193-39-5	Indeno(1,2,3-cd)pyrene	0.00001	See PAH B(a)P-eq	0.00027	0.09355	See PAH B(a)P-eq	0.1

91-20-3	Naphthalene	0.00002	No	0.00038	0.13098	No
100-42-5	Styrene	0.00000	No	0.00000	0.00006	No
108-88-3	Toluene	0.00000	No	0.00000	0.00019	No
463-58-1	Carbonyl Sulfide	0.00000	No	0.00000	0.00000	No
75-15-0	Carbon Disulfide	0.00000	No	0.00000	0.00000	No
74-90-8	Hydrogen Cyanide (Ionizes in water)	0.00000	No	0.00000	0.00000	No
71-43-2	Benzene	0.00001	No	0.00014	0.04923	No
108-95-2	Phenols (4AAP)	0.00000	No	0.00000	0.00000	No
	Total VOCs (mg/l)	0.00322		0.07729	26.40787	
	Total VOCs as methane	0.00179		0.04291	14.66164	
1150/1151	PAH B(a)P- eq	0.00002	No	0.00040	0.13608	Yes

1. Assumption that because of counting emissions in fugitives and high solubility of compounds in water, that 0.1% of compound loss between pretreatment and pretreatment effluent is reasonable. Also assumes no breakthrough of GAC column.

Pollutant	Total CAP Emissions
	Maximum Hourly (lb/hour)
Total VOCs as methane	0.00
NOx ¹	0.00
CO ²	0.00
SO ₂ ³	0.00
PM10	0.00
PM2.5	0.00

H Cycle Renewable Hydrogen Project - Fugitive VOC Emissions Estimate							
Component	Total Count	100 ppm	Pegged	100 ppm Emission Factor (lbs/day/source)	Pegged Emission Factor (lbs/day/source)	Emissions (lbs/day)	Emissions (lbs/yr)
Pumps	10	10		0.04711		0.47	171.95
			0.05		0.2	0.01	3.65
Valves	725	725		0.00375		2.72	992.34
			1.0875		0.1	0.11	39.69
Flanges	1775	1775		0.00619		10.99	4010.35
			0		N/A	0.00	0.00
Connectors	0	0		0.0024		0.00	0.00
			0		N/A	0.00	0.00
PRD's	15	10		0.0084		0.08	30.66
			0.05		0.2	0.01	3.65
Compressors	5	5		0.0084		0.04	15.33
			0.025		0.2	0.01	1.83
Totals	2530	2520	1.1875			14.44	5269.45

Reg. 8-18-306.2 The number of individual pieces of equipment awaiting repair does not exceed that portion of the total population for each equipment type expressed in the table below, rounded to the next higher whole number.

Total Number of Non-repairable Equipment Allowed (%)

Valves and Connections as allowed by Section 8-18-306.3

0.15% of total number of valves

Pressure Relief Devices

0.5% of total number of pressure relief devices

Pumps and Compressors

0.5% of total number of pumps and

Reg. 8-18-306.3 A connection can be considered non-repairable equipment pursuant to Section 8-18-306 provided each non-repairable connection is counted as two valves toward the total number of non-repairable valves allowed.

CAS #	Pollutant	PPM	weight %	Emissions (lb/hr)	Above Acute Trigger Level	Emissions (lb/yr)	Above Chronic Trigger Level
71-43-2	Benzene	304	0.0304%	1.83E-04	No	1.60E+00	No
7664-41-7	Ammonia	4983	0.4983%	3.00E-03	No	2.63E+01	No
74-90-8	Hydrogen cyanide	530	0.0530%	3.19E-04	No	2.79E+00	No
7783-06-4	Hydrogen Sulfide	1286	0.1286%	7.74E-04	No	6.78E+00	No
463-58-1	Carbon oxide sulfide	105	0.0105%	6.32E-05	No	5.53E-01	No
7647-01-0	Hydrochloric acid	0.74	0.0001%	4.45E-07	No	3.90E-03	No
91-20-3	Naphthalene	26.36	0.0026%	1.59E-05	No	1.39E-01	No
56-55-3	Benzo(a)anthracene	0.28	0.0000%	1.70E-08	#N/A	1.49E-04	#N/A
218-01-9	Chrysene	0.35	0.0000%	2.13E-09	#N/A	1.86E-05	#N/A
207-08-9	Benzo(b,j,k)fluoranthene	1.13	0.0001%	6.80E-08	#N/A	5.96E-04	#N/A
50-32-8	Benzo(a)pyrene	2.47	0.0002%	1.49E-06	#N/A	1.30E-02	#N/A
193-39-5	Indeno(1,2,3,-c,d)pyrene	2.19	0.0002%	1.32E-07	#N/A	1.15E-03	#N/A
1150/1151	PAH B(a)P- eq			1.71E-06	No	1.49E-02	Yes

Notes:

Uses PPM provided by Rob B for raw syngas from OMNI gasifier.

From EPA guidance (<https://www.epa.gov/sites/default/files/2015-08/documents/ii04.pdf>)

"N/A" is presented in trigger level assessments for compounds which are included in PAH totals

2.2.2 SPECIATED ORGANICS/HAZARDOUS AND TOXIC AIR POLLUTANTS

Because material in equipment within a process unit is often a mixture of several chemicals, equipment leak emission estimates for specific volatile organic compounds (VOCs), hazardous air pollutants (HAPs), and/or pollutants under Section 112(r) of the Clean Air Act, as amended can be obtained by multiplying the TOC emissions from a particular equipment times the ratio of the concentration of the specific VOC/pollutant to the TOC concentration, both in weight percent. An assumption in the above estimation is that the weight percent of the chemicals in the mixture contained in the equipment will equal the weight percent of the chemicals in the leaking material. In general, this assumption should be accurate for single-phase streams containing any gas/vapor material or liquid mixtures containing constituents of similar volatilities. Engineering judgement should be used to estimate emissions of individual chemical species, in cases when:

- The material in the equipment piece is a liquid mixture of constituents with varying volatilities; or
- It is suspected that the leaking vapor will have different concentrations than the liquid.

Piping Equipment GHGs

Pollutant	Emissions (lbs/day)	Emissions (lbs/year)	Emissions (Mton/yr)	GWP	Emissions (Mton CO2e/year)
Methane	14.44	5269.45	2.40	25	59.88

Notes:

Assume all VOC is methane for the purposes of calculating fugitive GHGs from piping equipment.

Stockpiling

$GHG = SEF \cdot SD \cdot TP$

where SEF = stockpile emission factor
 SD = avg # days stockpiled
 TP = total annual facility throughput (tons)

SEF = 0.0032 tCO₂e/ton-day
 SD = 0.5 days
 TP = 141,750 short ton/year

tCO₂e = 227 tonnes of CO₂ equivalent

Notes:

SD = residence time of wet silo

The second approach assumes that stored material undergoes composting. Composting emissions from CERF (0.07 tCO₂eq/short ton) are utilized for this assessment. We assume a standard composting duration of 22 days, thereby determining an SEF of 0.0032 tCO₂/ton-day (or 7 lbs. CO₂eq/ton-day). Therefore, the previous equation is re-utilized but amended to the following:

$GHG \text{ from Stockpiling (tCO}_2\text{eq/year)} = SEF \times SD \times TP$

Where:

- SEF is Stockpile emission factor (lb,CO₂eq/ton-day)

Hydrogen production process fugitives

0.201 g CH₄/kg H₂ product
 0.029 gCO/kg CO

Pollutant	Emission Factor	Units	GWP	Emissions (Mton CO ₂ e/year)
CH ₄	0.201	g CH ₄ /kg H ₂	25	41.11
CO	0.029	gCO/kg H ₂	2.65	0.63
Total =				41.74

Notes:

9000 tpy of hydrogen capacity
 8181.818 tonnes/yr

The second approach entailed utilizing published fugitive factors from a literature review of the steam methane reforming (SMR) process, in which natural gas is converted to syngas prior to final production of hydrogen. The process is similar to H Cycle’s with the primary exception being that the source of energy for the production of syngas is natural gas instead of MSW organics. The paper title “The estimation of fugitive gas emissions from hydrogen production by natural gas steam reforming” by Alhamdani et al. produced fugitive factors as follows:

- CH₄ Factor = 0.201 gCH₄ / kg H₂ product
- CO Factor = 0.029 gCO / kg CO

Therefore, fugitive emissions are determined as follows:

$Fugitive \text{ emissions (tCO}_2\text{eq/year)} = CH_4 \text{ Factor} \times TPH_2 \times GWP_{CH_4} (=25) + CO \text{ Factor} \times TPH_2 \times GWP_{CO} (=2.65)$

Where:

- TPH₂ is the maximum annual hydrogen production (tonne per year); the maximum value is assumed for conservatism

H Cycle Pittsburg v2 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	H Cycle Pittsburg v2
Construction Start Date	1/1/2024
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	0.80
Location	901 Loveridge Rd, Pittsburg, CA 94565, USA
County	Contra Costa
City	Pittsburg
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1347
EDFZ	1
Electric Utility	MCE
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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Industrial Park	594	1000sqft	13.6	594,000	0.00	—	—	—
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1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-30*	Use Cleaner-Fuel Vehicles
Transportation	T-32*	Orient Project Toward Transit, Bicycle, or Pedestrian Facility
Transportation	T-34*	Provide Bike Parking
Transportation	T-42*	Implement Telecommute and/or Alternative Work Schedule Program
Transportation	T-46*	Improve Transit Access, Safety, and Comfort

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.73	310	15.6	26.1	0.04	0.53	2.75	3.28	0.49	0.67	1.17	—	7,310	7,310	0.29	0.50	16.5	7,481
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.92	3.81	42.8	36.7	0.08	1.69	13.0	14.7	1.53	4.91	6.45	—	10,428	10,428	0.70	1.13	0.43	10,742
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.17	17.6	14.7	18.3	0.03	0.52	2.70	3.23	0.48	0.72	1.20	—	5,446	5,446	0.25	0.39	4.54	5,572

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.40	3.21	2.67	3.33	0.01	0.10	0.49	0.59	0.09	0.13	0.22	—	902	902	0.04	0.06	0.75	923

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.73	2.24	15.6	26.1	0.04	0.53	2.75	3.28	0.49	0.67	1.17	—	7,310	7,310	0.29	0.50	16.5	7,481
2025	2.52	310	14.5	25.2	0.04	0.47	2.75	3.22	0.43	0.67	1.11	—	7,224	7,224	0.28	0.48	15.7	7,389
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.92	3.81	42.8	36.7	0.08	1.69	13.0	14.7	1.53	4.91	6.45	—	10,428	10,428	0.70	1.13	0.43	10,742
2025	2.46	2.07	14.9	23.6	0.04	0.47	2.75	3.22	0.43	0.67	1.11	—	7,037	7,037	0.30	0.48	0.41	7,189
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.17	1.75	14.7	18.3	0.03	0.52	2.70	3.23	0.48	0.72	1.20	—	5,446	5,446	0.25	0.39	4.54	5,572
2025	0.75	17.6	4.56	7.23	0.01	0.15	0.79	0.94	0.14	0.19	0.33	—	2,081	2,081	0.09	0.14	1.94	2,125
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.40	0.32	2.67	3.33	0.01	0.10	0.49	0.59	0.09	0.13	0.22	—	902	902	0.04	0.06	0.75	923
2025	0.14	3.21	0.83	1.32	< 0.005	0.03	0.14	0.17	0.03	0.04	0.06	—	344	344	0.01	0.02	0.32	352

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.73	2.24	15.6	26.1	0.04	0.53	2.75	3.28	0.49	0.67	1.17	—	7,310	7,310	0.29	0.50	16.5	7,481
2025	2.52	310	14.5	25.2	0.04	0.47	2.75	3.22	0.43	0.67	1.11	—	7,224	7,224	0.28	0.48	15.7	7,389
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.92	3.81	42.8	36.7	0.08	1.69	13.0	14.7	1.53	4.91	6.45	—	10,428	10,428	0.70	1.13	0.43	10,742
2025	2.46	2.07	14.9	23.6	0.04	0.47	2.75	3.22	0.43	0.67	1.11	—	7,037	7,037	0.30	0.48	0.41	7,189
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.17	1.75	14.7	18.3	0.03	0.52	2.70	3.23	0.48	0.72	1.20	—	5,446	5,446	0.25	0.39	4.54	5,572
2025	0.75	17.6	4.56	7.23	0.01	0.15	0.79	0.94	0.14	0.19	0.33	—	2,081	2,081	0.09	0.14	1.94	2,125
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.40	0.32	2.67	3.33	0.01	0.10	0.49	0.59	0.09	0.13	0.22	—	902	902	0.04	0.06	0.75	923
2025	0.14	3.21	0.83	1.32	< 0.005	0.03	0.14	0.17	0.03	0.04	0.06	—	344	344	0.01	0.02	0.32	352

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.84	10.0	10.2	128	0.22	0.29	10.9	11.2	0.28	2.77	3.05	684	71,845	72,530	78.7	2.32	199	75,388
Mit.	8.84	10.0	10.2	128	0.22	0.29	10.9	11.2	0.28	2.77	3.05	684	71,845	72,530	78.7	2.32	199	75,388
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	8.42	9.57	11.1	125	0.21	0.29	10.9	11.2	0.28	2.77	3.05	684	71,005	71,689	78.8	2.38	156	74,523
Mit.	8.42	9.57	11.1	125	0.21	0.29	10.9	11.2	0.28	2.77	3.05	684	71,005	71,689	78.8	2.38	156	74,523
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.35	8.58	9.69	112	0.19	0.26	9.56	9.82	0.26	2.42	2.68	684	68,906	69,590	78.6	2.28	171	72,408
Mit.	7.35	8.58	9.69	112	0.19	0.26	9.56	9.82	0.26	2.42	2.68	684	68,906	69,590	78.6	2.28	171	72,408
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.34	1.57	1.77	20.4	0.04	0.05	1.74	1.79	0.05	0.44	0.49	113	11,408	11,522	13.0	0.38	28.3	11,988
Mit.	1.34	1.57	1.77	20.4	0.04	0.05	1.74	1.79	0.05	0.44	0.49	113	11,408	11,522	13.0	0.38	28.3	11,988
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.83	7.31	4.97	53.2	0.12	0.08	10.9	11.0	0.08	2.77	2.85	—	12,399	12,399	0.54	0.50	43.9	12,606
Area	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48,252	48,252	8.47	1.03	—	48,769
Water	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Waste	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155

Off-Road	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731
Total	8.84	10.0	10.2	128	0.22	0.29	10.9	11.2	0.28	2.77	3.05	684	71,845	72,530	78.7	2.32	199	75,388
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.41	6.86	5.86	50.3	0.11	0.08	10.9	11.0	0.08	2.77	2.85	—	11,559	11,559	0.63	0.56	1.14	11,741
Area	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48,252	48,252	8.47	1.03	—	48,769
Water	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Waste	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Off-Road	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731
Total	8.42	9.57	11.1	125	0.21	0.29	10.9	11.2	0.28	2.77	3.05	684	71,005	71,689	78.8	2.38	156	74,523
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.41	5.94	4.80	42.1	0.10	0.07	9.56	9.63	0.07	2.42	2.49	—	10,193	10,193	0.52	0.47	16.6	10,361
Area	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48,252	48,252	8.47	1.03	—	48,769
Water	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Waste	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Off-Road	0.94	0.94	4.89	69.6	0.09	0.19	—	0.19	0.19	—	0.19	—	9,962	9,962	0.40	0.08	—	9,996
Total	7.35	8.58	9.69	112	0.19	0.26	9.56	9.82	0.26	2.42	2.68	684	68,906	69,590	78.6	2.28	171	72,408
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.17	1.08	0.88	7.69	0.02	0.01	1.74	1.76	0.01	0.44	0.45	—	1,687	1,687	0.09	0.08	2.75	1,715
Area	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7,989	7,989	1.40	0.17	—	8,074
Water	—	—	—	—	—	—	—	—	—	—	—	47.6	82.8	130	4.89	0.12	—	288
Waste	—	—	—	—	—	—	—	—	—	—	—	65.7	0.00	65.7	6.57	0.00	—	230

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.6	25.6
Off-Road	0.17	0.17	0.89	12.7	0.02	0.03	—	0.03	0.03	—	0.03	—	1,649	1,649	0.07	0.01	—	1,655
Total	1.34	1.57	1.77	20.4	0.04	0.05	1.74	1.79	0.05	0.44	0.49	113	11,408	11,522	13.0	0.38	28.3	11,988

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.83	7.31	4.97	53.2	0.12	0.08	10.9	11.0	0.08	2.77	2.85	—	12,399	12,399	0.54	0.50	43.9	12,606
Area	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48,252	48,252	8.47	1.03	—	48,769
Water	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Waste	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Off-Road	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731
Total	8.84	10.0	10.2	128	0.22	0.29	10.9	11.2	0.28	2.77	3.05	684	71,845	72,530	78.7	2.32	199	75,388
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.41	6.86	5.86	50.3	0.11	0.08	10.9	11.0	0.08	2.77	2.85	—	11,559	11,559	0.63	0.56	1.14	11,741
Area	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48,252	48,252	8.47	1.03	—	48,769
Water	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Waste	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Off-Road	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731
Total	8.42	9.57	11.1	125	0.21	0.29	10.9	11.2	0.28	2.77	3.05	684	71,005	71,689	78.8	2.38	156	74,523

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.41	5.94	4.80	42.1	0.10	0.07	9.56	9.63	0.07	2.42	2.49	—	10,193	10,193	0.52	0.47	16.6	10,361
Area	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48,252	48,252	8.47	1.03	—	48,769
Water	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Waste	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Off-Road	0.94	0.94	4.89	69.6	0.09	0.19	—	0.19	0.19	—	0.19	—	9,962	9,962	0.40	0.08	—	9,996
Total	7.35	8.58	9.69	112	0.19	0.26	9.56	9.82	0.26	2.42	2.68	684	68,906	69,590	78.6	2.28	171	72,408
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.17	1.08	0.88	7.69	0.02	0.01	1.74	1.76	0.01	0.44	0.45	—	1,687	1,687	0.09	0.08	2.75	1,715
Area	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7,989	7,989	1.40	0.17	—	8,074
Water	—	—	—	—	—	—	—	—	—	—	—	47.6	82.8	130	4.89	0.12	—	288
Waste	—	—	—	—	—	—	—	—	—	—	—	65.7	0.00	65.7	6.57	0.00	—	230
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.6	25.6
Off-Road	0.17	0.17	0.89	12.7	0.02	0.03	—	0.03	0.03	—	0.03	—	1,649	1,649	0.07	0.01	—	1,655
Total	1.34	1.57	1.77	20.4	0.04	0.05	1.74	1.79	0.05	0.44	0.49	113	11,408	11,522	13.0	0.38	28.3	11,988

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	5.37	5.37	—	0.81	0.81	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.36	1.19	< 0.005	0.06	—	0.06	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.29	0.29	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.05	0.05	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	123	123	< 0.005	0.01	0.01	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.70	0.14	9.29	4.21	0.04	0.12	1.74	1.86	0.08	0.48	0.56	—	6,837	6,837	0.56	1.10	0.38	7,179
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.83	6.83	< 0.005	< 0.005	0.01	6.94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.01	0.50	0.23	< 0.005	0.01	0.10	0.10	< 0.005	0.03	0.03	—	375	375	0.03	0.06	0.35	394
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.0	62.0	0.01	0.01	0.06	65.2

3.2. Demolition (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	5.37	5.37	—	0.81	0.81	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.36	1.19	< 0.005	0.06	—	0.06	0.05	—	0.05	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	0.29	0.29	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	123	123	< 0.005	0.01	0.01	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.70	0.14	9.29	4.21	0.04	0.12	1.74	1.86	0.08	0.48	0.56	—	6,837	6,837	0.56	1.10	0.38	7,179
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.83	6.83	< 0.005	< 0.005	0.01	6.94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.01	0.50	0.23	< 0.005	0.01	0.10	0.10	< 0.005	0.03	0.03	—	375	375	0.03	0.06	0.35	394
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.15

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	62.0	62.0	0.01	0.01	0.06	65.2

3.3. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	3.91	3.91	—	0.59	0.59	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.99	0.90	< 0.005	0.04	—	0.04	0.04	—	0.04	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.11	0.11	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1	
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—	
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.07	0.06	0.06	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	144	144	< 0.005	0.01	0.02	146	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.51	0.10	6.78	3.07	0.03	0.09	1.27	1.36	0.06	0.35	0.41	—	4,988	4,988	0.41	0.80	0.28	5,238	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.99	3.99	< 0.005	< 0.005	0.01	4.05	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.01	< 0.005	0.18	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.13	144	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.67	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.6	22.6	< 0.005	< 0.005	0.02	23.8	

3.4. Site Preparation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	3.91	3.91	—	0.59	0.59	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.99	0.90	< 0.005	0.04	—	0.04	0.04	—	0.04	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.11	0.11	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.02	0.18	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	144	144	< 0.005	0.01	0.02	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.51	0.10	6.78	3.07	0.03	0.09	1.27	1.36	0.06	0.35	0.41	—	4,988	4,988	0.41	0.80	0.28	5,238
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.99	3.99	< 0.005	< 0.005	0.01	4.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.13	144
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.66	0.66	< 0.005	< 0.005	< 0.005	0.67
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.6	22.6	< 0.005	< 0.005	0.02	23.8

3.5. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	1.30	1.30	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.29	2.82	2.48	0.01	0.12	—	0.12	0.11	—	0.11	—	542	542	0.02	< 0.005	—	544
Dust From Material Movement	—	—	—	—	—	—	0.30	0.30	—	0.12	0.12	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.11	0.11	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.51	0.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	89.8	89.8	< 0.005	< 0.005	—	90.1

Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.76	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	164	164	< 0.005	0.01	0.02	167
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.17	0.03	2.26	1.02	0.01	0.03	0.42	0.45	0.02	0.12	0.14	—	1,663	1,663	0.14	0.27	0.09	1,746
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.03	13.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.13	144
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.6	22.6	< 0.005	< 0.005	0.02	23.8

3.6. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	1.30	1.30	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.29	2.82	2.48	0.01	0.12	—	0.12	0.11	—	0.11	—	542	542	0.02	< 0.005	—	544
Dust From Material Movement	—	—	—	—	—	—	0.30	0.30	—	0.12	0.12	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.11	0.11	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.51	0.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	89.8	89.8	< 0.005	< 0.005	—	90.1

Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.76	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	164	164	< 0.005	0.01	0.02	167
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.17	0.03	2.26	1.02	0.01	0.03	0.42	0.45	0.02	0.12	0.14	—	1,663	1,663	0.14	0.27	0.09	1,746
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.03	13.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.08	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.13	144
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.6	22.6	< 0.005	< 0.005	0.02	23.8

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	6.13	7.16	0.01	0.27	—	0.27	0.25	—	0.25	—	1,309	1,309	0.05	0.01	—	1,314
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.12	1.31	< 0.005	0.05	—	0.05	0.05	—	0.05	—	217	217	0.01	< 0.005	—	217
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.03	0.94	0.69	11.2	0.00	0.00	2.06	2.06	0.00	0.48	0.48	—	2,243	2,243	0.04	0.08	9.48	2,278
Vendor	0.27	0.10	3.66	1.75	0.02	0.04	0.69	0.72	0.04	0.19	0.23	—	2,669	2,669	0.14	0.40	7.01	2,797
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.98	0.89	0.86	9.51	0.00	0.00	2.06	2.06	0.00	0.48	0.48	—	2,052	2,052	0.06	0.09	0.25	2,079
Vendor	0.26	0.09	3.86	1.78	0.02	0.04	0.69	0.72	0.04	0.19	0.23	—	2,670	2,670	0.14	0.40	0.18	2,792
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.48	0.42	5.06	0.00	0.00	1.13	1.13	0.00	0.26	0.26	—	1,132	1,132	0.03	0.05	2.24	1,149
Vendor	0.15	0.05	2.07	0.97	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,457	1,457	0.08	0.22	1.65	1,525
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	0.92	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	187	187	< 0.005	0.01	0.37	190
Vendor	0.03	0.01	0.38	0.18	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	241	241	0.01	0.04	0.27	253
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	6.13	7.16	0.01	0.27	—	0.27	0.25	—	0.25	—	1,309	1,309	0.05	0.01	—	1,314
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.12	1.31	< 0.005	0.05	—	0.05	0.05	—	0.05	—	217	217	0.01	< 0.005	—	217
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.03	0.94	0.69	11.2	0.00	0.00	2.06	2.06	0.00	0.48	0.48	—	2,243	2,243	0.04	0.08	9.48	2,278
Vendor	0.27	0.10	3.66	1.75	0.02	0.04	0.69	0.72	0.04	0.19	0.23	—	2,669	2,669	0.14	0.40	7.01	2,797
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.98	0.89	0.86	9.51	0.00	0.00	2.06	2.06	0.00	0.48	0.48	—	2,052	2,052	0.06	0.09	0.25	2,079
Vendor	0.26	0.09	3.86	1.78	0.02	0.04	0.69	0.72	0.04	0.19	0.23	—	2,670	2,670	0.14	0.40	0.18	2,792
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.48	0.42	5.06	0.00	0.00	1.13	1.13	0.00	0.26	0.26	—	1,132	1,132	0.03	0.05	2.24	1,149
Vendor	0.15	0.05	2.07	0.97	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,457	1,457	0.08	0.22	1.65	1,525

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	0.92	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	187	187	< 0.005	0.01	0.37	190	
Vendor	0.03	0.01	0.38	0.18	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	241	241	0.01	0.04	0.27	253	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	0.31	2.90	3.62	0.01	0.12	—	0.12	0.11	—	0.11	—	666	666	0.03	0.01	—	669
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.06	0.53	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	110	110	< 0.005	< 0.005	—	111
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.92	0.90	0.61	10.5	0.00	0.00	2.06	2.06	0.00	0.48	0.48	—	2,199	2,199	0.04	0.08	8.71	2,233
Vendor	0.25	0.10	3.48	1.67	0.02	0.04	0.69	0.72	0.04	0.19	0.23	—	2,626	2,626	0.14	0.38	6.96	2,749
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	0.84	0.78	8.87	0.00	0.00	2.06	2.06	0.00	0.48	0.48	—	2,012	2,012	0.06	0.09	0.23	2,039
Vendor	0.24	0.09	3.67	1.72	0.02	0.04	0.69	0.72	0.04	0.19	0.23	—	2,628	2,628	0.14	0.38	0.18	2,744
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.19	2.41	0.00	0.00	0.57	0.57	0.00	0.13	0.13	—	565	565	0.01	0.02	1.05	574
Vendor	0.07	0.03	1.00	0.47	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	730	730	0.04	0.10	0.84	763
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93.6	93.6	< 0.005	< 0.005	0.17	95.0
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	121	121	0.01	0.02	0.14	126
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	0.31	2.90	3.62	0.01	0.12	—	0.12	0.11	—	0.11	—	666	666	0.03	0.01	—	669
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.53	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	110	110	< 0.005	< 0.005	—	111
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.92	0.90	0.61	10.5	0.00	0.00	2.06	2.06	0.00	0.48	0.48	—	2,199	2,199	0.04	0.08	8.71	2,233
Vendor	0.25	0.10	3.48	1.67	0.02	0.04	0.69	0.72	0.04	0.19	0.23	—	2,626	2,626	0.14	0.38	6.96	2,749
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	0.84	0.78	8.87	0.00	0.00	2.06	2.06	0.00	0.48	0.48	—	2,012	2,012	0.06	0.09	0.23	2,039
Vendor	0.24	0.09	3.67	1.72	0.02	0.04	0.69	0.72	0.04	0.19	0.23	—	2,628	2,628	0.14	0.38	0.18	2,744
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.19	2.41	0.00	0.00	0.57	0.57	0.00	0.13	0.13	—	565	565	0.01	0.02	1.05	574
Vendor	0.07	0.03	1.00	0.47	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	730	730	0.04	0.10	0.84	763
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93.6	93.6	< 0.005	< 0.005	0.17	95.0
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	121	121	0.01	0.02	0.14	126
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.41	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.63	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	132	132	< 0.005	< 0.005	0.52	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.70	6.70	< 0.005	< 0.005	0.01	6.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.41	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.63	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	132	132	< 0.005	< 0.005	0.52	134	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.70	6.70	< 0.005	< 0.005	0.01	6.80	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.13. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	310	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	17.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	3.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.12	2.09	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	440	440	0.01	0.02	1.74	447
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.3	22.3	< 0.005	< 0.005	0.04	22.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.69	3.69	< 0.005	< 0.005	0.01	3.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	310	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	17.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	3.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.12	2.09	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	440	440	0.01	0.02	1.74	447
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.3	22.3	< 0.005	< 0.005	0.04	22.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.69	3.69	< 0.005	< 0.005	0.01	3.75

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	7.83	7.31	4.97	53.2	0.12	0.08	10.9	11.0	0.08	2.77	2.85	—	12,399	12,399	0.54	0.50	43.9	12,606	
Total	7.83	7.31	4.97	53.2	0.12	0.08	10.9	11.0	0.08	2.77	2.85	—	12,399	12,399	0.54	0.50	43.9	12,606	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	7.41	6.86	5.86	50.3	0.11	0.08	10.9	11.0	0.08	2.77	2.85	—	11,559	11,559	0.63	0.56	1.14	11,741	
Total	7.41	6.86	5.86	50.3	0.11	0.08	10.9	11.0	0.08	2.77	2.85	—	11,559	11,559	0.63	0.56	1.14	11,741	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	1.17	1.08	0.88	7.69	0.02	0.01	1.74	1.76	0.01	0.44	0.45	—	1,687	1,687	0.09	0.08	2.75	1,715	
Total	1.17	1.08	0.88	7.69	0.02	0.01	1.74	1.76	0.01	0.44	0.45	—	1,687	1,687	0.09	0.08	2.75	1,715	

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	7.83	7.31	4.97	53.2	0.12	0.08	10.9	11.0	0.08	2.77	2.85	—	12,399	12,399	0.54	0.50	43.9	12,606
Total	7.83	7.31	4.97	53.2	0.12	0.08	10.9	11.0	0.08	2.77	2.85	—	12,399	12,399	0.54	0.50	43.9	12,606
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	7.41	6.86	5.86	50.3	0.11	0.08	10.9	11.0	0.08	2.77	2.85	—	11,559	11,559	0.63	0.56	1.14	11,741
Total	7.41	6.86	5.86	50.3	0.11	0.08	10.9	11.0	0.08	2.77	2.85	—	11,559	11,559	0.63	0.56	1.14	11,741
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	1.17	1.08	0.88	7.69	0.02	0.01	1.74	1.76	0.01	0.44	0.45	—	1,687	1,687	0.09	0.08	2.75	1,715
Total	1.17	1.08	0.88	7.69	0.02	0.01	1.74	1.76	0.01	0.44	0.45	—	1,687	1,687	0.09	0.08	2.75	1,715

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	48,251	48,251	8.47	1.03	—	48,769
Total	—	—	—	—	—	—	—	—	—	—	—	—	48,251	48,251	8.47	1.03	—	48,769

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	48,251	48,251	8.47	1.03	—	48,769
Total	—	—	—	—	—	—	—	—	—	—	—	—	48,251	48,251	8.47	1.03	—	48,769
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	7,989	7,989	1.40	0.17	—	8,074
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,989	7,989	1.40	0.17	—	8,074

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	48,251	48,251	8.47	1.03	—	48,769	
Total	—	—	—	—	—	—	—	—	—	—	—	—	48,251	48,251	8.47	1.03	—	48,769	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	48,251	48,251	8.47	1.03	—	48,769	
Total	—	—	—	—	—	—	—	—	—	—	—	—	48,251	48,251	8.47	1.03	—	48,769	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	7,989	7,989	1.40	0.17	—	8,074	
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,989	7,989	1.40	0.17	—	8,074	

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.24	0.24	< 0.005	< 0.005	—	0.24
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.24	0.24	< 0.005	< 0.005	—	0.24
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.24	0.24	< 0.005	< 0.005	—	0.24
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.24	0.24	< 0.005	< 0.005	—	0.24
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.24	0.24	< 0.005	< 0.005	—	0.24
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.24	0.24	< 0.005	< 0.005	—	0.24

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.24	0.24	< 0.005	< 0.005	—	0.24
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.24	0.24	< 0.005	< 0.005	—	0.24
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Total	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Total	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	47.6	82.8	130	4.89	0.12	—	288
Total	—	—	—	—	—	—	—	—	—	—	—	47.6	82.8	130	4.89	0.12	—	288

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Total	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Total	—	—	—	—	—	—	—	—	—	—	—	287	500	788	29.6	0.71	—	1,739
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	47.6	82.8	130	4.89	0.12	—	288
Total	—	—	—	—	—	—	—	—	—	—	—	47.6	82.8	130	4.89	0.12	—	288

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Total	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Total	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	65.7	0.00	65.7	6.57	0.00	—	230
Total	—	—	—	—	—	—	—	—	—	—	—	65.7	0.00	65.7	6.57	0.00	—	230

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Total	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Total	—	—	—	—	—	—	—	—	—	—	—	397	0.00	397	39.7	0.00	—	1,389
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	65.7	0.00	65.7	6.57	0.00	—	230
Total	—	—	—	—	—	—	—	—	—	—	—	65.7	0.00	65.7	6.57	0.00	—	230

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.6	25.6
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.6	25.6

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.6	25.6
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.6	25.6

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731
Total	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731
Total	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.17	0.17	0.89	12.7	0.02	0.03	—	0.03	0.03	—	0.03	—	1,649	1,649	0.07	0.01	—	1,655
Total	0.17	0.17	0.89	12.7	0.02	0.03	—	0.03	0.03	—	0.03	—	1,649	1,649	0.07	0.01	—	1,655

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731
Total	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731

Total	1.01	1.01	5.25	74.7	0.10	0.20	—	0.20	0.20	—	0.20	—	10,694	10,694	0.43	0.09	—	10,731
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/ Loaders/ Backhoe s	0.17	0.17	0.89	12.7	0.02	0.03	—	0.03	0.03	—	0.03	—	1,649	1,649	0.07	0.01	—	1,655
Total	0.17	0.17	0.89	12.7	0.02	0.03	—	0.03	0.03	—	0.03	—	1,649	1,649	0.07	0.01	—	1,655

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipme Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2024	1/29/2024	5.00	20.0	—
Site Preparation	Site Preparation	1/30/2024	2/13/2024	5.00	10.0	—
Grading	Grading	2/14/2024	3/27/2024	5.00	30.0	—
Building Construction	Building Construction	3/28/2024	5/22/2025	5.00	300	—
Paving	Paving	5/23/2025	6/20/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	6/21/2025	7/19/2025	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29

Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	93.8	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	68.4	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	22.8	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—

Building Construction	Worker	249	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	97.4	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	49.9	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT
Demolition	Hauling	93.8	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	68.4	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT

Grading	—	—	—	—
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	22.8	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	249	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	97.4	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	—	8.40	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	49.9	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	891,000	297,000	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	163,000	—
Site Preparation	—	—	13.6	59,400	—
Grading	—	—	13.6	59,400	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	170	188	0.03	< 0.005

2025	510	188	0.03	< 0.005
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5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	2,002	1,509	737	638,970	15,487	11,673	5,699	4,943,553

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	2,002	1,509	737	638,970	15,487	11,673	5,699	4,943,553

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	891,000	297,000	—

5.10.3. Landscape Equipment

Equipment Type	Fuel Type	Number Per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.10.4. Landscape Equipment - Mitigated

Equipment Type	Fuel Type	Number Per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
----------------	-----------	----------------	---------------	----------------	------------	-------------

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	93,688,000	188	0.0330	0.0040	747

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	93,688,000	188	0.0330	0.0040	747

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	150,000,000	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	150,000,000	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	737	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	737	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	55.0	6.00	75.0	0.37

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	55.0	6.00	75.0	0.37

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	18.8	annual days of extreme heat
Extreme Precipitation	2.20	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events.

Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	0	2	1
Sea Level Rise	1	0	2	1
Wildfire	1	0	2	1
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	2	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	1	1	2	1
Sea Level Rise	1	1	2	1

Wildfire	1	1	2	1
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	2	1

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	37.6
AQ-PM	30.7
AQ-DPM	55.5
Drinking Water	19.0
Lead Risk Housing	34.5
Pesticides	0.00
Toxic Releases	70.5
Traffic	15.7
Effect Indicators	—
CleanUp Sites	98.9

Groundwater	91.6
Haz Waste Facilities/Generators	99.5
Impaired Water Bodies	98.7
Solid Waste	88.9
Sensitive Population	—
Asthma	93.2
Cardio-vascular	72.2
Low Birth Weights	93.5
Socioeconomic Factor Indicators	—
Education	40.1
Housing	44.5
Linguistic	10.4
Poverty	54.8
Unemployment	94.3

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	61.92737072
Employed	28.26895932
Median HI	59.96407032
Education	—
Bachelor's or higher	44.02669062
High school enrollment	26.62645964
Preschool enrollment	89.60605672
Transportation	—

Auto Access	59.70742974
Active commuting	70.52482998
Social	—
2-parent households	8.674451431
Voting	68.98498653
Neighborhood	—
Alcohol availability	38.56024637
Park access	81.35506224
Retail density	17.37456692
Supermarket access	73.05273964
Tree canopy	50.69934557
Housing	—
Homeownership	53.70204029
Housing habitability	43.8855383
Low-inc homeowner severe housing cost burden	32.01591172
Low-inc renter severe housing cost burden	18.72192994
Uncrowded housing	45.96432696
Health Outcomes	—
Insured adults	52.48299756
Arthritis	0.0
Asthma ER Admissions	1.2
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0

Life Expectancy at Birth	25.8
Cognitively Disabled	38.1
Physically Disabled	17.3
Heart Attack ER Admissions	3.0
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	30.7
Children	20.9
Elderly	49.5
English Speaking	84.5
Foreign-born	38.5
Outdoor Workers	81.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	30.0
Traffic Density	11.7
Traffic Access	23.0
Other Indices	—

Hardship	49.9
Other Decision Support	—
2016 Voting	29.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	83.0
Healthy Places Index Score for Project Location (b)	59.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
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Construction: Off-Road Equipment	demolition default equipment used Site prep equipment is month 0 in excel file provided by HCycle grading equipment is month 1 in excel file provided by H Cycle building construction equipment is max # of equipment in months 2-13 in excel file provided by H Cycle paving equipment is CalEEMod default and month 14 in excel file from H Cycle architectural coating is CalEEMod default equipment and month 15 in excel file from H Cycle H Cycle excel file has Heavy Duty and Light Duty Trucks - all are input as Off-Highway Trucks in CalEEMod
Construction: Dust From Material Movement	Adjustment
Construction: On-Road Fugitive Dust	BAAQMD Basic BMP - 15 mph unpaved travel speed
Operations: Off-Road Equipment	Provided by site.
Operations: Consumer Products	Per discussion
Operations: Energy Use	Electricity provided by site. Natural gas calculated based on operations units that combust natural gas.
Operations: Water and Waste Water	Provided by site.
Construction: Demolition	10% of site square footage for grading and site prep
Operations: Fleet Mix	Per provided info

**H Cycle Pittsburgh
Renewable Hydrogen Project**

**Appendix B.2
Health Risk Assessment Methodology**

January 2024

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B.2.1 INTRODUCTION

This appendix describes the methods and results of the health risk assessment (HRA) that was performed to evaluate potential public health effects from toxic air contaminant (TAC) emissions generated by construction and operation of the H Cycle Pittsburg Renewable Hydrogen Project. TACs are compounds designated by the California's Environmental Protection Agency's (Cal/EPA) Office of Health Hazard Assessment (OEHHA) as known or suspected to cause adverse health effects after short-term (acute) or long-term (chronic) exposure. In addition to naming certain chemicals as TACs, OEHHA also provides information that allows the prediction of health impacts associated with public potential exposure to TACs. This information is used in the HRA as described in this section to estimate the potential public health impacts resulting from TAC emissions from the project.

Concentrations of TAC emissions are calculated using air dispersion modeling. This computer modeling is a mathematical estimation of air pollutant impacts from emissions sources within a project study area. Information on factors that impact the fate and transport of pollutants in the atmosphere including meteorological conditions, site and emission release characteristics, and surrounding terrain features are used as inputs to the dispersion model. Once concentrations are calculated, health risks are calculated using information the volume of air people breathe and the toxicity of the chemical being evaluated. The resulting cancer risks, chronic HI, and acute HI are compared to the BAAQMD CEQA thresholds to assess significance.

B.2.2 OVERVIEW OF HEALTH RISK ASSESSMENT

An HRA is a three-step analytical process to assess potential risk to public health from exposure to environmental contaminants emitted from emission sources. The steps include:

- **Hazard Identification:** This involves identifying and quantifying TACs of concern that would be emitted from project construction and operations sources. A description of the emissions calculation methodology and estimates of TACs emissions from various stationary and mobile sources associated with the project's construction and operation are provided in Appendix 4.2, Emissions Calculations.
- **Exposure assessment:** Concentrations of TACs resulting from the transport and dilution of these emissions through the atmosphere are evaluated at locations of predicted exposure to "receptors" by air dispersion modeling, using an EPA-approved computer air dispersion model and local meteorological data.
- **Risk characterization:** Potential human doses of these TACs resulting from the atmospheric transport are calculated, using procedures developed by California Office of Environmental Health Hazard Assessment (OEHHA). Potential cancer and non-cancer health impacts resulting from the calculated doses are estimated using dose-response relationships developed from toxicological data.

The procedures used in this HRA are consistent with the BAAQMD Health Risk Assessment Modeling Protocol, December 2020, BAAQMD Air Toxics Control Programs Health Risk Assessment Guidelines, December 2021 and Appendix E of the BAAQMD 2022 CEQA Guidelines.

BAAQMD's Guidelines conform to the "Health Risk Assessment Guidelines" adopted by OEHHA for use in the Air Toxics Hot Spots Program. In addition, these guidelines are in accordance with the "Risk Management Guidance for Stationary Sources of Air Toxics" developed by the California Air Resources Board (CARB) and the California Air Pollution Control Officers Association (CAPCOA).

The following sections discuss the HRA hazard identification, exposure assessment, and risk characterization steps in more detail.

B.2.3 HAZARD IDENTIFICATION - QUANTIFICATION OF TAC EMISSIONS

Project emissions of CAPs, TACs, and GHGs were estimated using standard methods approved by CARB and the BAAQMD, and reference information provided by EPA. The results of these estimates are provided in Chapter 3.3 in this EIR. In addition, Appendix B.1, Emissions Calculations, provides details on the calculations methodology for estimating CAP, TAC, and GHG emissions.

B.2.4 EXPOSURE ASSESSMENT

Dispersion modeling was performed using the American Meteorological Society/ Environmental Protection Agency Regional Modeling System (AERMOD, Version 22112) developed by the American Meteorological Society/ Environmental Protection Agency Regulatory Model Improvement Committee (AERMIC). AERMOD incorporates air dispersion for both surface and elevated sources and for areas with either simple and/or complex terrain. In addition to the dispersion portion, the AERMOD modeling system includes two additional regulatory components: a meteorological data preprocessor (AERMET) and a terrain data preprocessor (AERMAP). The AERMOD dispersion model is used simulate the transport of emissions from multiple sources including point sources, area sources, and volume sources. The model requires specific inputs for each source type as discussed below.

Attachment 1 contains electronic input and output files from the dispersion modeling runs.

B.2.4.1 Control Options

The regulatory default option was used in AERMOD to estimate concentrations of TAC and PM_{2.5}. This provides a reasonably conservative estimate. The model was run for a 1-hour averaging period to calculate maximum 1-hour concentrations for assessing acute non-cancer health effects from TACs. The model was run for Period averaging period to calculate annual concentrations averaged

over the entire period of meteorological data set for assessing cancer risk and chronic non-cancer health effects from TACs.

For $PM_{2.5}$ analyses, an annual averaging period was used and meteorological data for each year was modeled separately to determine maximum of the highest annual average concentration for each year.

In accordance with the urban/rural land use determination procedures specified in *BAAQMD Health Risk Assessment Modeling Protocol, December 2020*, the land use within 3 km of the project site's centroid was determined to be rural percentage of urban land use was determined to be 40 percent). Therefore, rural dispersion coefficients were selected for modeling.

B.2.4.2 Source Options

Depending on the dispersion/release characteristics of the physical release point openings/locations, project emissions sources were modeled as point sources, volume sources, or area sources. Table B.2-1 summarizes the modeled types for all emissions sources and provides the release parameters for sources modeled as area or volume sources during the project's construction phase. For sources modeled as point sources, please refer to the model input file for release parameters. Table B.2-2 summarizes the modeled types for the emissions sources and provides release parameters for sources modeled as area or volume sources during project operation. For sources modeled as point sources, refer to the model input file for release parameters. Figures B.2-1 and B.2-2 show the on-site and off-site emissions sources modeled for the project's construction phase, respectively. Figures B.2-3 and B.2-4 show the on-site and off-site emissions sources modeled for the project's operation phase.

For TACs, AERMOD was run with a unit emission rate (1 grams per second [g/sec]) for all sources and/or source groups to calculate normalized air concentrations, χ/Q (micrograms per cubic meter [$\mu\text{g}/\text{m}^3$] per g/sec emissions) at each receptor point. For the $PM_{2.5}$ analysis, AERMOD was run with $PM_{2.5}$ emission rates in g/sec, which were estimated by dividing the annual emission rate of each source by its annual operating time.

Table B.2-1: Source Types and Parameters of Construction Phase Emissions Sources

Source Group	Source Description	Source Type	Length of the Side/ Plume Width, W (m)	Plume Height, H (m)	Release Height (m)	Initial Horizontal Dimension σ_y (m)	Initial Vertical Dimension σ_z (m)
ONSTRK	On-site heavy duty diesel truck travel	Line of 18 adjacent, surface-based volume sources	W = Total width of traffic lanes (6m) + 6 m for wake effect = 12m	6.8 (Table 11, Appendix E BAAQMD CEQA Guidelines)	H/2 = 3.4	W/2.15 = 5.58	H/2.15 = 3.16

Table B.2-1: Source Types and Parameters of Construction Phase Emissions Sources

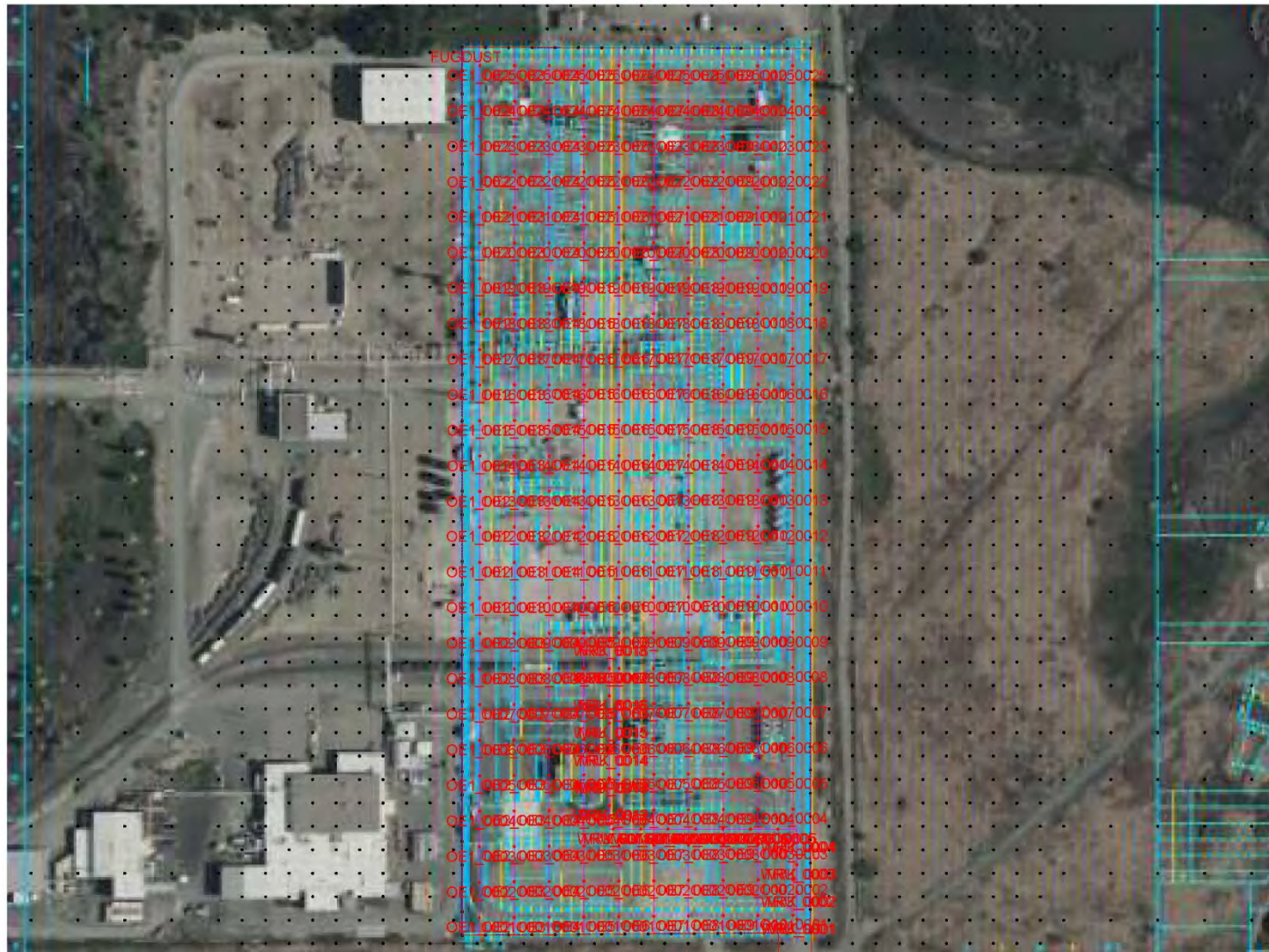
Source Group	Source Description	Source Type	Length of the Side/ Plume Width, W (m)	Plume Height, H (m)	Release Height (m)	Initial Horizontal Dimension σ_y (m)	Initial Vertical Dimension σ_z (m)
ONSWRK	On-site worker gasoline car and light duty truck travel	Line of 18 adjacent, surface-based volume sources	W = Total width of traffic lanes (6m) + 6 m for wake effect = 12m	2.6 (Table 11, Appendix E BAAQMD CEQA Guidelines)	H/2 = 1.3	W/2.15 = 5.58	H/2.15 = 1.21
OFSTRK	Off-site heavy duty diesel truck travel	Line of 8 surface-based area sources of variable length over a total road length of 758.6m from the nearest freeway exit to the project site	W = Total width of traffic lanes (8m) + 6 m for wake effect = 14m	6.8 (Table 11, Appendix E BAAQMD CEQA Guidelines)	H/2 = 3.4	Not applicable (N/A)	H/2.15 = 3.16
OFSWRK	Off-site worker gasoline car and light duty truck travel	Line of 8 surface-based area sources of variable length over a total road length of 758.6m from the nearest freeway exit to the project site	W = Total width of traffic lanes (8m) + 6 m for wake effect = 14m	2.6 (Table 11, Appendix E BAAQMD CEQA Guidelines)	H/2 = 1.3	N/A	H/2.15 = 1.21
OFRDEQP	Heavy duty diesel off-road equipment operation	Line of 250 elevated volume sources, not on or adjacent to a building and separated by twice plume width, placed across the entire project site	W = Width of the equipment (1.5m) + 6 m for wake effect = 7.5m	5 (SCAQMD Localized Significance Threshold Methodology, July 2008)	H = 5	2W/2.15 = 6.98	H/4.3 = 1.16

Table B.2-1: Source Types and Parameters of Construction Phase Emissions Sources

Source Group	Source Description	Source Type	Length of the Side/ Plume Width, W (m)	Plume Height, H (m)	Release Height (m)	Initial Horizontal Dimension σ_y (m)	Initial Vertical Dimension σ_z (m)
FUGDUST	Fugitive dust from construction activities	1 area source covering the entire project site			0	N/A	1

See Figure B.2-1: On-Site Emissions Sources for Construction Phase and Figure B.2-2: Off-Site Emissions Sources for Construction Phase, below.

On-Site Sources Modeled for the Construction Phase



H Cycle Pittsburg CEQA Construction HRAAQ Modeling Projects\27008-001- H Cycle Pittsburg\CEQA HRA\Construction HRA\AERMOD\Run 4\Run 4 Cons.BST

Scale: 1 inch = 54.2 Meters

Figure B.2-1: On-Site Emissions Sources for Construction Phase



Figure B.2-2: Off-Site Emissions Sources for Construction Phase

Table B.2-2: Source Types and Release Parameters of Operation Phase Emissions Sources

Source Group	Source Description	Source Type	Length of the Side/ Plume Width, W (m)	Plume Height, H (m)	Release Height (m)	Initial Horizontal Dimension σ_x (m)	Initial Vertical Dimension σ_z (m)
ONSTRK	On-site heavy duty diesel truck travel	Line of 18 adjacent, surface-based volume sources	W = Total width of traffic lanes (6m) + 6 m for wake effect = 12m	6.8 (Table 11, Appendix E BAAQMD CEQA Guidelines)	H/2 = 3.4	W/2.15 = 5.58	H/2.15 = 3.16
ONSWRK	On-site worker gasoline car and light duty truck travel	Line of 18 adjacent, surface-based volume sources	W = Total width of traffic lanes (6m) + 6 m for wake effect = 12m	2.6 (Table 11, Appendix E BAAQMD CEQA Guidelines)	H/2 = 1.3	W/2.15 = 5.58	H/2.15 = 1.21
OFSTRK	Off-site heavy duty diesel truck travel	Line of eight surface based area sources of variable length over a total road length of 758.6m from the nearest freeway exit to the project site	W = Total width of traffic lanes (8m) + 6 m for wake effect = 14m	6.8 (Table 11, Appendix E BAAQMD CEQA Guidelines)	H/2 = 3.4	NA	H/2.15 = 3.16
OFSWRK	Off-site worker gasoline car and light duty truck travel	Line of eight surface based area sources of variable length over a total road length of 758.6m from the nearest freeway exit to the project site	W = Total width of traffic lanes (8m) + 6 m for wake effect = 14m	2.6 (Table 11, Appendix E BAAQMD CEQA Guidelines)	H/2 = 1.3	NA	H/2.15 = 1.21

Table B.2-2: Source Types and Release Parameters of Operation Phase Emissions Sources

Source Group	Source Description	Source Type	Length of the Side/ Plume Width, W (m)	Plume Height, H (m)	Release Height (m)	Initial Horizontal Dimension σ_x (m)	Initial Vertical Dimension σ_z (m)
S1FUG	Fugitive emissions from door openings of variable sizes in feed preparation building	Group of seven single, elevated volume sources on or adjacent to a building	Variable, depending upon opening width and distance of the opening to the edge of the building $W = \text{SQRT}(\text{opening width} * \text{distance-to-edge})$ - SJVAPCD, Volume Source Calculations EXCEL tool	$H = \text{Building height} = 17.68$	Variable, Opening Height/2	Variable, $W/4.3$	$H/2.15 = 17.68/2.15 = 8.22\text{m}$
S1BIOFIL	Biofilter abating emissions from Feed preparation building	Single surface based area source		Physical height of the equipment = 1.468	Physical height of the equipment = 1.468	NA	$H/2.15 = 0.78$
S5BIOFIL	Biofilter abating emissions from wet waste storage silo	Single surface based area source		Physical height of the equipment = 1.468	Physical height of the equipment = 1.468	NA	$H/2.15 = 0.78$
S10BIOFI	Biofilter abating emissions from waste dryer	Single surface based area source		Physical height of the equipment = 1.468	Physical height of the equipment = 1.468	NA	$H/2.15 = 0.78$
S15BIOFI	Biofilter abating emissions from dry waste storage silo	Single surface based area source		Physical height of the equipment = 1.468	Physical height of the equipment = 1.468	NA	$H/2.15 = 0.78$

Table B.2-2: Source Types and Release Parameters of Operation Phase Emissions Sources

Source Group	Source Description	Source Type	Length of the Side/ Plume Width, W (m)	Plume Height, H (m)	Release Height (m)	Initial Horizontal Dimension σ_x (m)	Initial Vertical Dimension σ_z (m)
SLAGHAND	Fugitive emissions from slag storage, handling and crushing activities	Single surface based area source		Physical height of the equipment = 2.01	Physical height of the equipment = 2.01	NA	0, as emissions are diffused and no plume generated
FUGLEAK	Fugitive emissions from piping component leaks in volatile organic compound (VOC) gas service	Line of 4 adjacent volume sources - three sources modeled as surface-based source and the 4th modeled as elevated source on or adjacent to a building	Width of the OMNI ICARS and GPRS sections = 17.5m	H = opening height for surface-based volume sources = 2.44 H = Building height for source located on or adjacent to the OMNI ICARS and GPRS units = 16.76	Height of the opening/ 2 = 1.22 for all 4 volume sources	$W/2.15 = 8.14$	$H/2.15 = 1.13$ for surface based volume sources = 7.79 for elevated volume source on or adjacent to the OMNI unit
P25OMNIH	Stack venting OMNI SRM and refining chamber burner exhaust during heat up stage	Single point source					
FLARE	Fully enclosed ground flare	Single point source					
BOILER	Stack venting combustion exhaust from boiler	Single point source					
EMEGENIC	Stack venting exhaust from emergency	Single point source					

Table B.2-2: Source Types and Release Parameters of Operation Phase Emissions Sources

Source Group	Source Description	Source Type	Length of the Side/ Plume Width, W (m)	Plume Height, H (m)	Release Height (m)	Initial Horizontal Dimension σ_x (m)	Initial Vertical Dimension σ_z (m)	
	generator diesel-fired ICE							
FIREPUMP	Stack venting exhaust from emergency fire pump diesel-fired ICE	Single point source						
WWTP	Vent of the fixed roof equalization tank. Emissions from the entire wastewater treatment plant were modeled as if all emissions were released from the first treatment unit, which is a fixed roof equalization tank	Single point source						
TANKVENT	Horizontal diesel storage tank under the emergency generator diesel engine with single vent	Single point source						
COOLTOW	Exhaust from cooling tower cells	Group of 4 point sources, each representing one of the 4 cells of the cooling tower						
RAWTRIDL	On-site raw material and	Group of 3 point sources						

Table B.2-2: Source Types and Release Parameters of Operation Phase Emissions Sources

Source Group	Source Description	Source Type	Length of the Side/ Plume Width, W (m)	Plume Height, H (m)	Release Height (m)	Initial Horizontal Dimension σ_x (m)	Initial Vertical Dimension σ_z (m)	
	byproduct carrying heavy duty diesel truck idling							
H2TRKIDL	On-site hydrogen gas carrying heavy duty diesel truck idling	Group of 8 point sources in the H2 truck loading bays						

See Figure B.2-3: On-Site Emissions Sources for Operation Phase and Figure B.2-4: Off-Site Emissions Sources for Operation Phase, below.

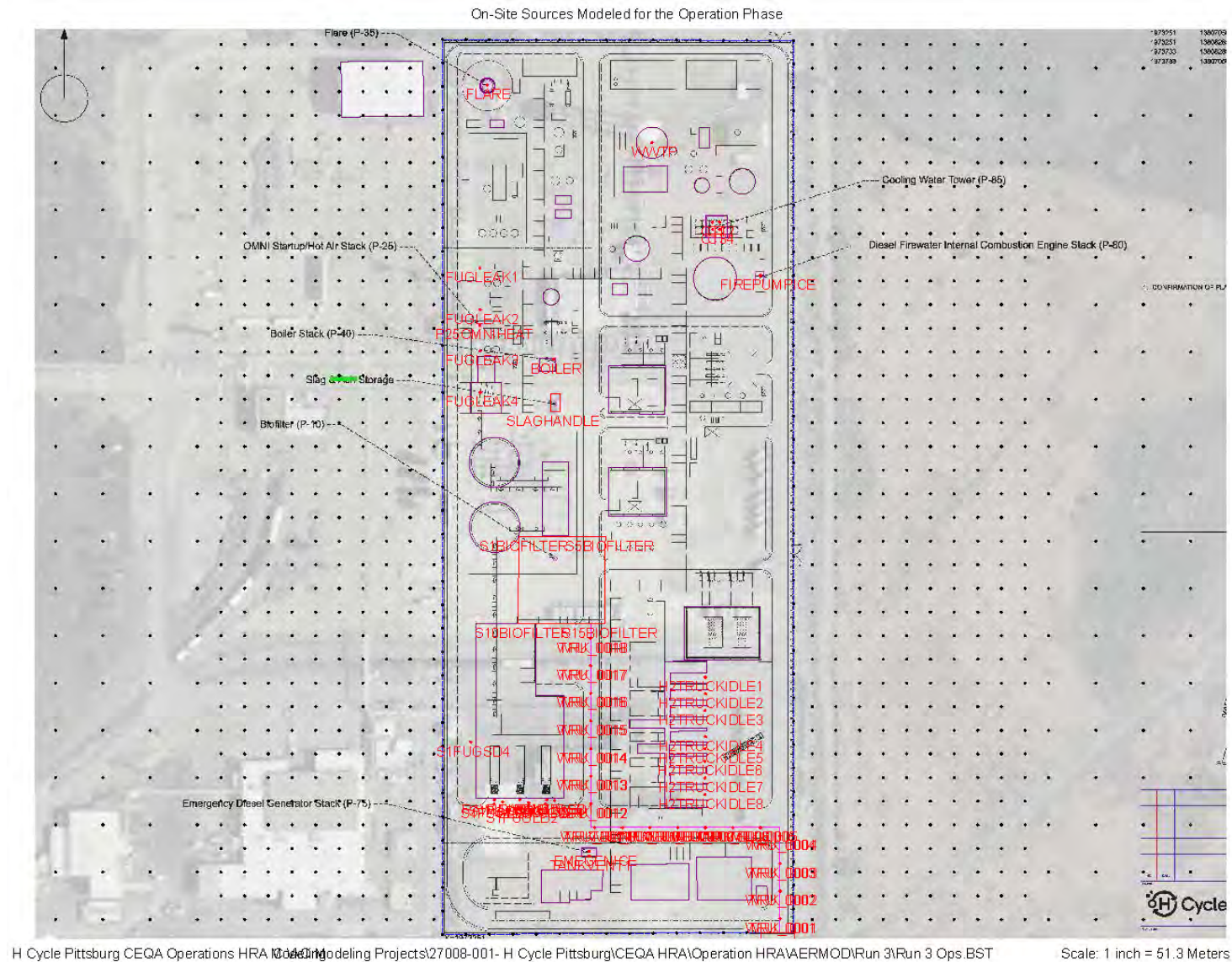


Figure B.2-3: On-Site Emissions Sources for Operation Phase

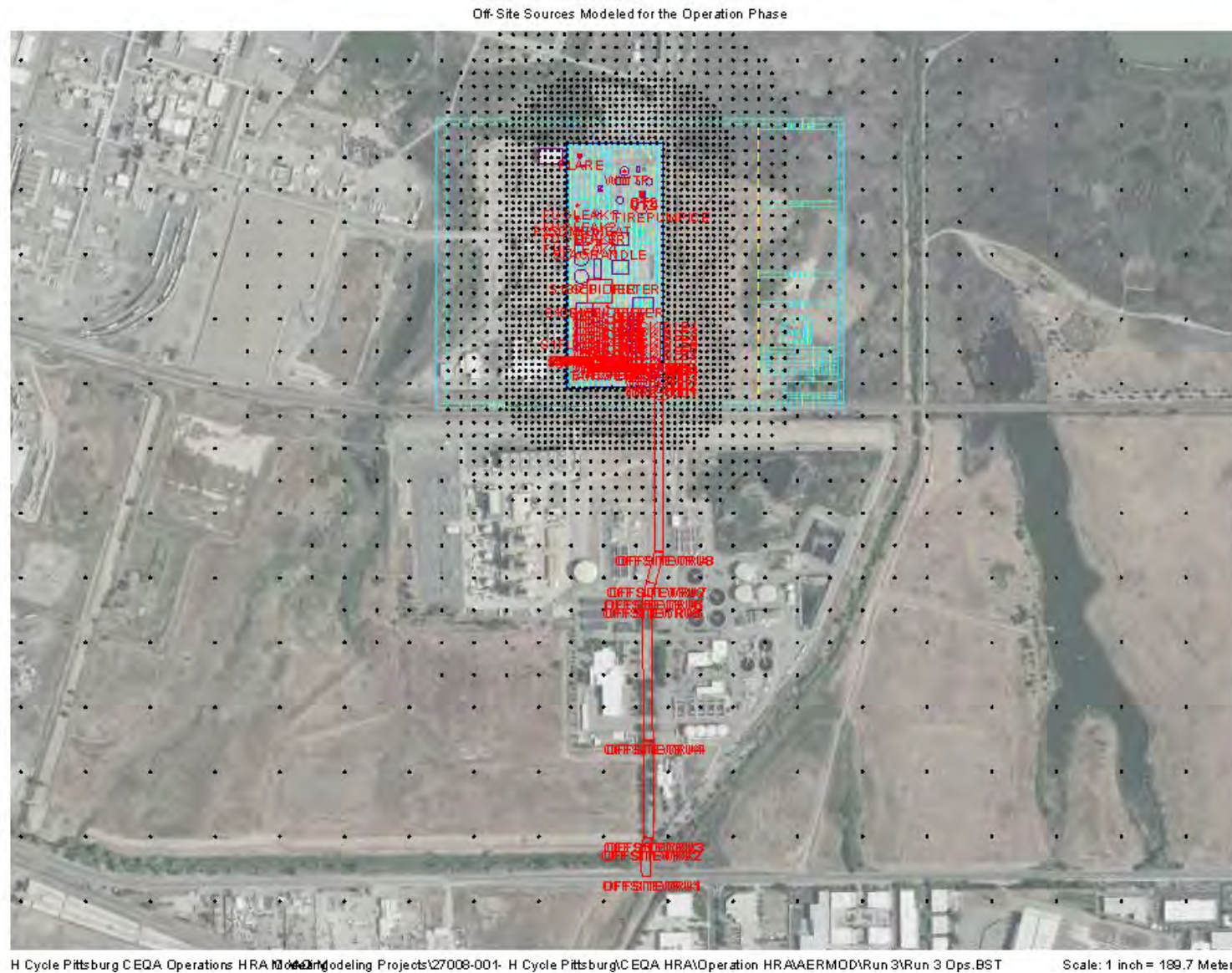


Figure B.2-4: Off-Site Emissions Sources for Operation Phase

B.2.4.3 Receptors

A discrete Cartesian grid of receptors was created in accordance with the BAAQMD guidance and included the following:

- Fence line receptors were placed along the facility's fence line at a spacing of 10 m
- 10-m spaced receptors out to 100 m from the facility boundary
- 20-m spaced receptors out to 200 m from the facility boundary
- 50-m spaced receptors out to 500 m from the facility boundary
- 100-m spaced receptors out to 3,000 m from the facility boundary

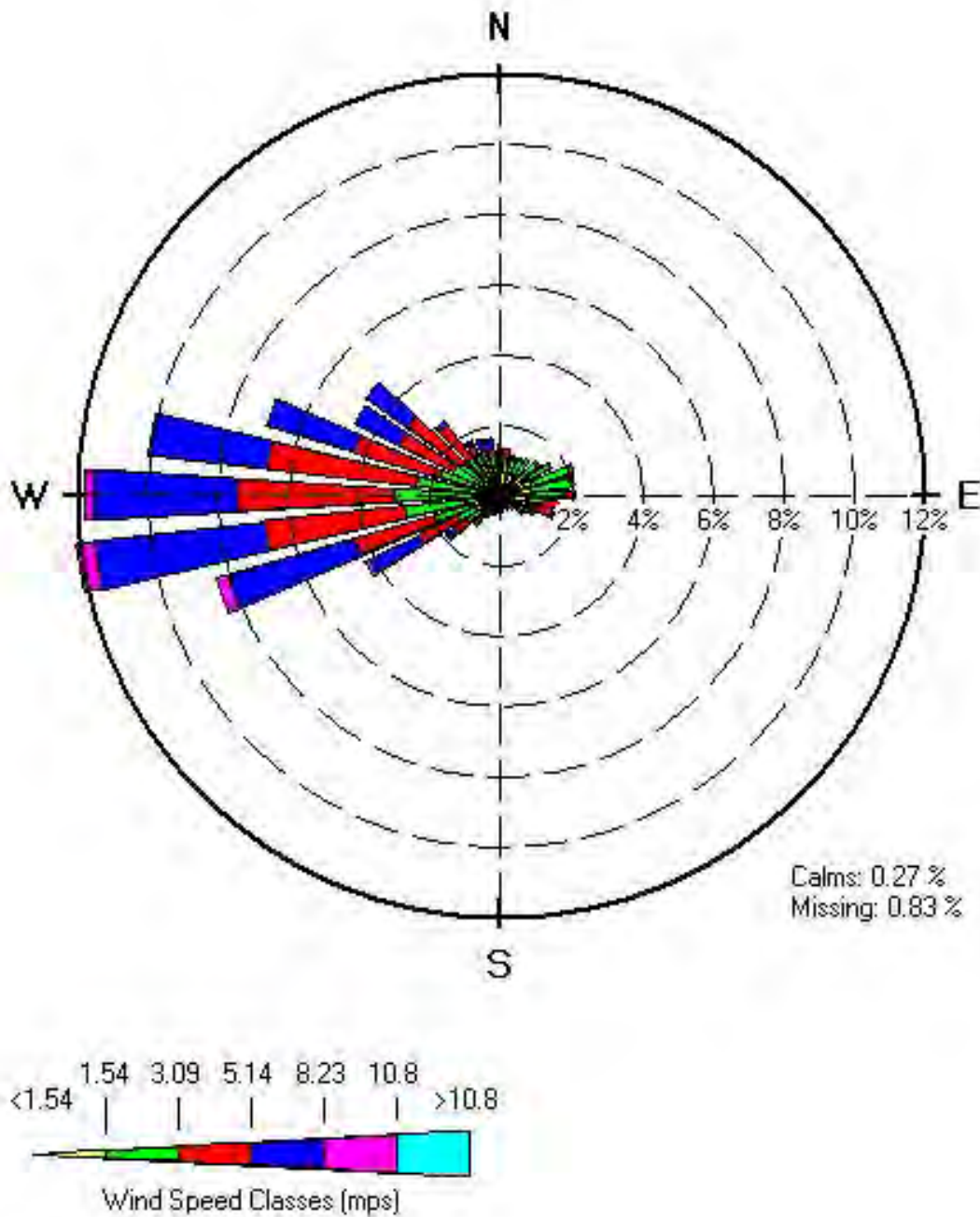
TAC concentration at each receptor location was estimated at a flagpole height of 1.5 meters, which represents the average human breathing zone. Ground-level PM_{2.5} concentration at each receptor were estimated using a flagpole height of 0.0 meter.

B.2.4.4 Meteorological Data:

AERMOD requires a meteorological input file to characterize transport and dispersion of pollutants in the atmosphere. Model runs were conducted with 4 years of AERMOD ready meteorological data sets (2013-2015 and 2017) from the Dow Chemical meteorological station. The Dow Chemical meteorological station is located approximately 450 feet west of the project site and was determined to be the most representative met data for the modeled area. Upper air data was taken from the Oakland International Airport station. The pre-processed AERMOD-ready meteorological dataset was obtained from BAAQMD website. A wind rose showing a graphical distribution of wind speed and wind direction at the Dow Chemical meteorological station for the time period modeled is shown in Figure B.2-5, below.

B.2.4.5 Terrain Characterization

The model is referenced in NAD 83 UTM coordinates and uses terrain data from the United States Geological Survey (USGS) 10 m National Elevation Dataset (NED) files. Sources, buildings, and receptors were modeled with consideration of terrain elevations. The NED data were processed using AERMAP to obtain terrain elevations and hill heights for receptors and terrain elevations for sources and buildings.



Note: Diagram of the frequency of occurrence of each wind direction.

Met File Type: AERMET SFC
File: DOW_2013_2017.SFC

Figure B.2-5: Dow Chemical Meteorological Station Wind Speed Data

B.2.4.6 Building Downwash

When point sources are located near or on buildings or structures, dispersion of the emissions plume can be influenced. Under certain wind speeds the wake produced on the lee side of the building can cause the plume to be pulled toward the ground near the building, resulting in relatively higher concentrations close to the building. These effects are called building downwash.

The effects of building downwash have been considered in this modeling analysis. AERMOD uses the EPA-approved Building Profile Input Program with Plume Rise Model Enhancements (BPIP-PRIME) to provide input for the downwash analysis. This program calculates the Good Engineering Practice (GEP) formula stack heights and direction-specific building dimensions for input to the dispersion calculations. BPIP-PRIME requires the input of building coordinates and heights, and stack coordinates. Structures determined to have downwash potential were included in this analysis.

B.2.5 RISK CHARACTERIZATION

B.2.5.1 Cancer Risk

Cancer risk is expressed in terms of the chances or probability of developing cancer as a result of exposure to a carcinogen at any exposure level typically over a lifetime. Cancer risk is expressed as the increased chances of developing cancer in one million people. The calculation procedure for cancer risk assumes that cancer risk is proportional to concentration at any level of exposure; that is, there is no dose that would result in a zero probability of contracting cancer.

The CEQA threshold of significance is a potential cancer risk of 10 persons in one million or greater, except in overburdened communities, such as the location of the project site, where the significance threshold is 6 persons on one million or greater.

Cancer risk from carcinogens is calculated using their respective cancer potency slope factors and their dose. These slope factors, sometimes referred to as dose-response relationships, are developed from epidemiological studies. The cancer risk from each carcinogen is summed to arrive at a total cancer risk. The dose, which is the amount of exposure to a toxin, is estimated for each applicable exposure pathway using the modeled air concentration of the pollutant, the exposure duration, exposure frequency, and the daily intake rate.

B.2.5.2 Non-Cancer Health Effects

“Chronic toxicity” is defined as the adverse biological effects caused by prolonged chemical exposure. These exposures may be continuous or repeated. Chronic effects usually occur at lower exposure levels than acute effects, primarily because of chemical accumulation in the body. “Acute toxicity” is defined as adverse biological effects caused by brief chemical exposures of no more than 24 hours.

Non-cancer health effects of an inhaled air toxic are measured by the **hazard index**, the ratio of the reported concentration of an air toxic compound to an acceptable or “reference” exposure level (REL). For non-inhalation pathways, hazard indices are calculated as the ratio of calculated doses to acceptable or reference doses (RfDs). If the reported concentration or dose of a given chemical is less than its REL or RfD, then the hazard index will be less than 1.0.

If more than one chemical is considered, it is assumed that multiple sub-threshold exposures could result in an adverse health effect for a given target organ. Thus, chemical-specific hazard indices are summed for a given target organ. Typically, for a given set of chemicals, hazard indices are summed for each organ system. Hazard indices can be calculated both on a chronic toxicity and acute toxicity basis.

For any organ system, a total hazard index exceeding 1.0 indicates a potential significant health effect.

B.2.5.3 Health Risk Analysis Procedure

Cancer risk and non-cancer hazard indices calculations for this HRA were performed using the CARB-developed risk analysis tool “Hot Spots Analysis & Reporting Program (HARP2 Version 22118)” model’s ADMRT module. The HARP2 model implements the methodologies described in the OEHHA Guidelines.

The dispersion model outputs in terms of normalized concentration χ/Q expressed in the unit of $\mu\text{g}/\text{m}^3$ per g/s emission are imported into HARP2 and used with source-specific emission rates for each TAC and toxicity factors to calculate potential health effects. Toxicity factors from the BAAQMD-approved health database were used for this HRA.

Ambient concentration of an air pollutant released from an emissions source is directly related to its emission rate. For the assessment of cancer risk and chronic non-cancer health effects, the annual-average emission rate of a TAC from each source is multiplied in HARP2 with the normalized concentration estimated by AERMOD for an averaging period for that source to obtain the annual-average ground-level concentration (GLC) for each TAC.

Similarly, for assessment of acute non-cancer health effects, maximum hourly emission rate of a TAC from each source is multiplied in HARP2 with the normalized concentration estimated by AERMOD for 1-hour averaging period for that source to obtain the maximum hourly GLC for each TAC. For the acute non-cancer health effect analysis, it is conservatively assumed that all maximum hourly emissions would occur in the same hour.

B.2.6 EXPOSURE DURATIONS AND EXPOSURE FREQUENCY

B.2.6.1 Exposure Duration

For long term projects such as operation of a facility, cancer risk to residential receptors is based on a 30-year exposure duration. For worker receptors, cancer risk calculations are based on an exposure

duration of 25 years. Cancer risk estimates for children at school sites are based on a 9-year exposure duration, such as for a K-8 school.

For short-term projects, such as construction of a facility, the exposure duration for all types of receptors is assumed to be equal to the duration of the construction phase. The duration of construction of the proposed facility will be approximately 1.5 years. A 2-year exposure period was assumed for assessing the cancer risks from the construction phase emissions. In accordance with Appendix E of BAAQMD's CEQA Air Quality Guidelines, cancer risk from the project's operation phase was prorated by a ratio of 28 to 30 years and 23 to 25 years for residential and worker receptors, respectively and added to the cancer risk from construction phase to evaluate the cancer risk over the entire 30 years' and 25 years' exposure duration for residential and worker receptors, respectively.

B.2.6.2 Exposure Frequency

Cancer risk to residential receptors is estimated by assuming that exposure occurs 24 hours per day for 350 days per year. A Fraction of Time at Home (FAH) adjustment factor of 0.73 is applied for age groups greater than or equal to 16 years. For a worker receptor, exposure is assumed to occur 8 hours per day for 250 days per year. For children at school sites, exposure is assumed to occur 180 days (or 36 weeks) per year.

Sensitive receptors refer to those segments of the population most susceptible to poor air quality (i.e., children, the elderly, and those with pre-existing serious health problems affected by air quality). These receptor locations include residential communities, schools, daycare centers, playgrounds, and medical facilities. The potential cancer risk for the non-working, off-site, sensitive populations assumes the standard 30-year residential exposure. Chronic and acute non-cancer health effects are assessed from annual-average and maximum hourly exposure estimates, respectively, without further adjustments from the standard Tier 1 assumptions. As stated above, it is assumed for the acute analysis that all maximum hourly emissions would occur within the same hour.

Furthermore, the non-cancer toxicity factors were established by the CARB and OEHHA to be protective of sensitive members of the population or those undergoing physiological change, which include children and the elderly. Therefore, it is believed that these analyses account for the protection of sensitive individuals.

B.2.6.3 Exposure Pathways

There are many exposure pathways by which humans may be exposed to airborne chemicals. The inhalation exposure pathway involves the direct inhalation of gaseous and particulate air pollutants. In addition, there is the potential for exposure via non-inhalation pathways due to the deposition of pollutants. Potential non-inhalation exposure pathways include soil ingestion, dermal absorption, mother's milk, and ingestion of homegrown produce.

For this HRA, which involves multipathway pollutants, Mandatory Minimum Pathways were used to assess health risks at residential receptors. Mandatory Minimum Pathways include inhalation, soil,

dermal, and mother’s milk exposure pathways. Worker Pathways, which include inhalation, soil, and dermal exposure pathways were used for assessing potential exposure to offsite worker receptors during working hours.

As discussed above, to estimate airborne concentrations, HARP2 uses the normalized modeled concentration, χ/Q , for each receptor location from the AERMOD output and multiplies them by pollutant and source-specific emission rates. For estimating non-airborne pollutant concentrations from particulate emissions, HARP2 first estimates air concentrations for each pollutant (micrograms per cubic meter [$\mu\text{g}/\text{m}^3$]) by multiplying particulate pollutant emission rates (grams per second [g/s]) by the maximum normalized concentration, χ/Q , and then uses in the following equation to estimate pollutant deposition rates:

$$\text{Dep} = C_{\text{air}} \times \text{Dep-rate} \times 86,400 \text{ seconds/day}$$

Where:

Dep = Deposition on the affected soil area per day ($\mu\text{g}/\text{m}^2/\text{day}$)

C_{air} = Estimated air concentrations of TAC ($\mu\text{g}/\text{m}^3$)

Dep-rate = Vertical rate of deposition (meters per second [m/s])

OEHHA recommends a deposition rate of 0.05 m/s for uncontrolled sources and 0.02 m/s for controlled sources. Since most of the sources in the proposed project are controlled, a deposition rate of 0.02 m/s was used in this HRA. These deposition estimates are then used in algorithms contained in HARP2 for evaluation of health effects via soil ingestion, dermal absorption, mother’s milk, and homegrown produce exposure pathways.

B.2.6.4 Intake Rate

The *Intake Rate Percentile* sets the intake rate at which a person is exposed to the air pollutant. For cancer risk assessment and non-cancer chronic effects assessment from multipathway pollutants at residential receptors for long term projects, intake rate percentiles specified in the Risk Management Policy were used. These intake rate percentiles were developed by CARB using the Derived Method. On July 23, 2015, CARB adopted “Risk Management Guidance for Stationary Sources of Air Toxics”, which includes an updated Risk Management Policy for Inhalation Risk Assessments. This policy recommends using a combination of the 95th percentile and 80th percentile daily breathing rates as the minimum exposure inputs for risk management decisions. Specifically, the policy recommends using the 95th percentile rate for age groups less than 2-years old and the 80th percentile rate for age groups that are greater than or equal to 2-years old.

For cancer risk assessment and non-cancer chronic effects assessment from multipathway pollutants at offsite worker receptors for long term projects, intake rate percentiles specified and developed by OEHHA using the Derived Method were used. OEHHA recommends assuming a breathing rate of 230 L/kg-8 hours. This value represents the 95th percentile 8-hour breathing rate based on moderate activity of 16 to 70 years-old age range.

Tables B.2-3 and B.2-4 summarize the exposure pathways evaluated and the exposure duration, exposure frequency, and intake rates used in this HRA for the proposed Project’s construction and operation phase respectively.

Table B.2-3: Parameter Selections in HARP2 for Risk Assessment of Construction Phase

Parameter	Residential Receptor	Worker Receptor
Exposure Duration	2 years starting at 3 rd trimester	2 years starting at age of 16 years
Exposure Frequency	24 hours per day; 350 days per year	8 hours per day, 250 days per year
Intake Rate Percentile Selection	95 th percentile (High End)	95 th percentile (High End)
Exposure Pathways Evaluated	Mandatory Minimum Pathways, including inhalation, soil, dermal, and mother’s milk	Worker Pathways, including inhalation, soil, and dermal
Deposition Rate	0.02 m/s	0.02 m/s
Fraction of Time at Home (FAH)	Applied for age bins ≥ 16 years	Not Applicable
8-hour Breathing Rate	Not Applicable	8-hour breathing rate with moderate intensity applied
Worker Adjustment Factor (WAF)	Not Applicable	WAF - 4.2 for non-continuous source. Construction schedule is 8 hours/day and 5 days/week.
Climate	Warm	Warm

Table B.2-4: Parameters Selections in HARP2 for Risk Assessment of Operation Phase

Parameter	Residential Receptor	Worker Receptor
Exposure Duration	30 years starting at 3 rd trimester	25 years starting at age of 16 years
Exposure Frequency	24 hours per day; 350 days per year	8 hours per day, 250 days per year
Intake Rate Percentile Selection	RMP Derived Method	OEHHA Derived Method
Exposure Pathways Evaluated	Mandatory Minimum Pathways, including inhalation, soil, dermal, and mother's milk	Worker Pathways, including inhalation, soil, and dermal
Deposition Rate	0.02 m/s	0.02 m/s
Fraction of Time at Home (FAH)	Applied for age bins \geq 16 years	Not Applicable
8-hour Breathing Rate	Not Applicable	8-hour breathing rate with moderate intensity applied
Worker Adjustment Factor (WAF)	Not Applicable	None
Climate	Warm	Warm

B.2.7 CUMULATIVE HRA

In accordance with BAAQMD CEQA guidelines, a cumulative HRA was conducted for cancer risk and chronic hazard index at maximally exposed individual residential and worker receptors and at point of maximum impact for $PM_{2.5}$ concentration. The assessment requires identification of all existing and near future stationary and mobile sources (roadways and railways) within 1,000 feet of the project boundary and aggregation of health impacts (cancer risk, chronic hazard index, $PM_{2.5}$ concentration) of these sources at the MEIR, MEIW, and PMI with the corresponding health impacts due to the proposed project at those receptor locations.

BAAQMD's Stationary Source Screening Maps and Mobile Source Screening Maps were used to identify sources within 1,000 feet of the Project's property boundary. Health risks values of identified sources were also obtained from these screening maps. The health risks provided in the screening maps are overly conservative. If more reliable sources of health risk information were available such as EIRs or California Energy Commission (CEC) Application for Certification, then those were used in lieu of the screening health risk values. Distances of MEIR, MEIW, and PMI from these sources were estimated using Google Earth and decay factors, provided in Appendix E of the BAAQMD 2022 CEQA Air Quality Guidelines, were applied to the health risk values for individual stationary sources/ facilities identified within 1,000 feet of the project boundary. These adjusted health risk values were added to the corresponding health risk values from mobile sources and from the project at MEIR and MEIW for cancer risk and CHI and at PMI for $PM_{2.5}$. Table B.2-5 lists the existing sources identified within 1,000 feet radius of the project's boundary and their respective health risks used for the cumulative risk analysis.

Table B.2-5: Sources within 1,000-feet of the Project Site

Facility ID	Facility Name	Address	NAICS Industry	Cancer Risk	Chronic Hazard Index	PM _{2.5}	x	y	Distance to MEIR (ft)	Distance to MEIW (ft)	Distance to PM _{2.5} PMI	Distance Decay Multiplier for MEIR	Distance Decay Multiplier for MEIW	Distance Decay Multiplier for PM _{2.5} PMI
14654	Generon IGS Inc.	992 Arcy Ln. Pittsburg, CA	Petrochem Mfg	0	0	0.223	-13563419.2	4582957	>1000	0	>1000	0.132	1	0.132
12095	Delta Energy Center ¹	1200 Arcy Ln Pittsburg, CA	Fossil Fuel Electric Power Generation	0.38	0.035	0.3	-13563586.2	4581558	>1000	>1000	>1000	0.132	0.132	0.132
11196	Cameron Process Systems	880 Arcy Ln. Pittsburg, CA	Industrial Gas Mfg		0	0	-13566379	4580994	>1000	444	>1000	0.132	0.389	0.132
	Railways ²			59.32	0.003	0.013								
	Roadway ²			20.77	0.014	0.101								
<p><i>Notes:</i></p> <p>1 Health risk values for BAAQMD Facility 12095 Delta Energy Center were obtained from the HRA and ambient air quality analysis conducted for the purposes of California Energy Commission's Application for Certification (98-AFC-3, September and November 1999).</p> <p>2 BAAQMD screening maps for mobile sources provide a range of health risk values. Higher end of the applicable range was used in this cumulative analysis.</p>														

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Appendix C: Traffic Impact Assessment

H Cycle Pittsburgh Renewable Hydrogen Project -Transportation Impact Assessment

Prepared for:
The City of Pittsburgh
TRC Solutions, Inc.

October 2023

WC23-3980

FEHR  PEERS

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1. Introduction

This report presents the analysis and findings of the Transportation Impact Assessment (TIA) prepared for the H Cycle Pittsburg Renewable Hydrogen Project (Project) proposed in the City of Pittsburg, California. This chapter discusses the TIA purpose, study locations and analysis scenarios, analysis methods, criteria used to identify significant impacts, and report organization.

Study Purpose and Project Description

The study's purpose is to evaluate the potential transportation impacts of the Project, located in Pittsburg, California, approximately half a mile north of the Arcy Lane/Pittsburg-Antioch Highway intersection, as shown in **Figure 1**. The site is currently occupied by industrial storage space and parking. The proposed Project would develop a facility totaling about 113,200 square feet in size, with approximately 30 full-time daily employees. The Project site plan is shown on **Figure 2**.

Vehicular access to the proposed development would be provided by Arcy Lane with the proposed driveway located in the southeast corner of the site. Emergency vehicle access would be provided on the central west part of the project site, via an existing access road that leads to East Third Street and Pittsburg Waterfront Road, as illustrated on Figure 2. Regional access is available via full movement interchanges with State Route 4 at Loveridge Road, and Somersville Road.

Study Locations and Analysis Scenarios

Potential violations of the city's established level of service policies at study area roadway facilities were determined by measuring the effect project traffic would have on intersections in the vicinity of the project site during the weekday morning (7:00 to 9:00 AM) and afternoon (4:00 to 6:00 PM) peak periods. The following intersections were selected based on a review of the Project location, estimates of the added traffic from the Project, and locations of planned roadways in the area:

1. Loveridge Road/Pittsburg-Antioch Highway
2. Arcy Lane/Pittsburg-Antioch Highway





- Project Site
- # Study Intersection



Figure 1
Project Site Vicinity and Study Locations

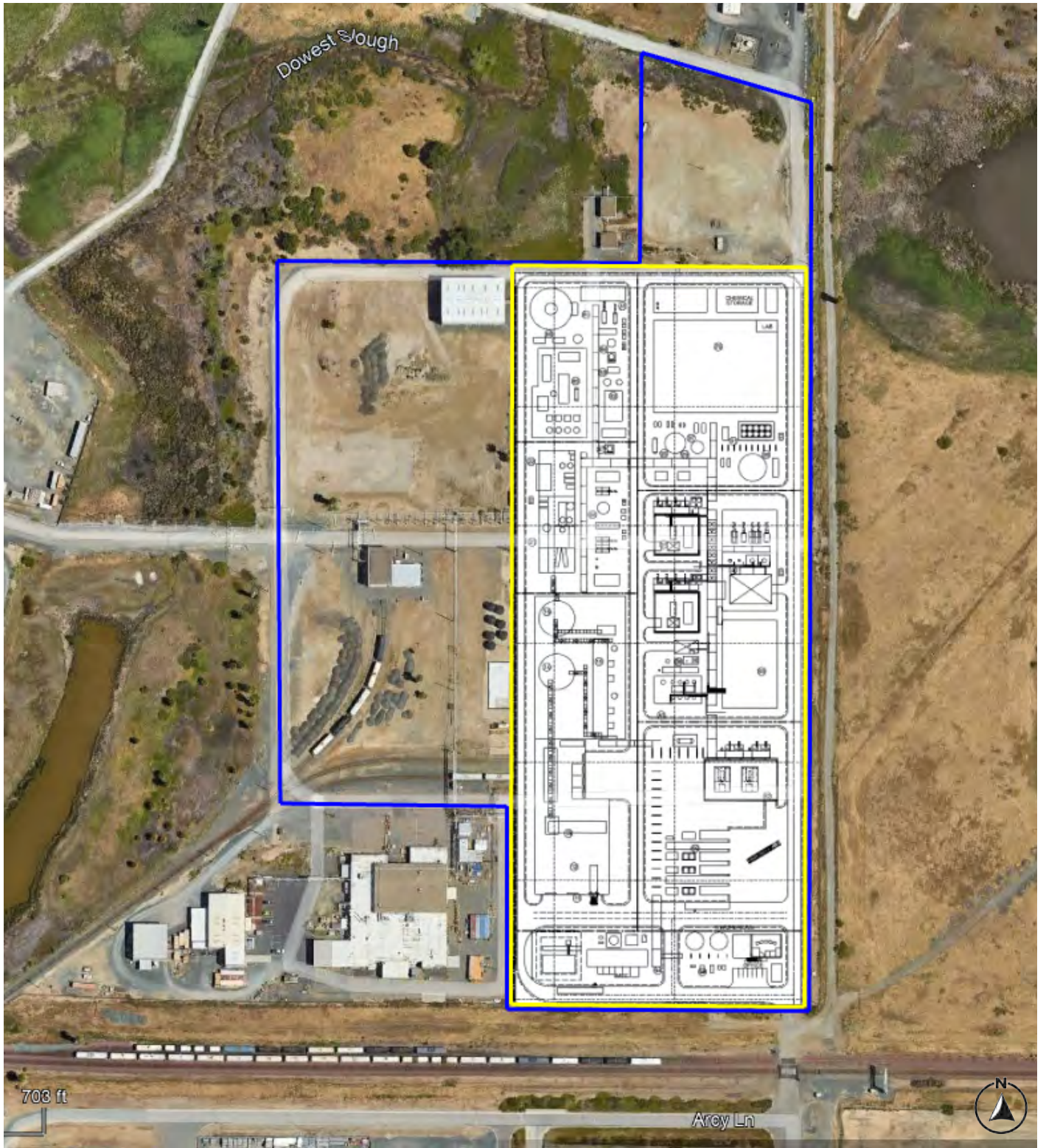


Figure 2
Site Plan



The following scenarios were evaluated:

- **Existing** – Existing (2023) conditions based on recent traffic counts.
- **Existing with Project** – Existing (2023) conditions with project-related traffic.
- **Cumulative without Project** – Based on traffic growth trends as described in the Pittsburg General Plan EIR and supplemented by a check of traffic forecasts for the study area in the 2040 Contra Costa Countywide travel demand model.
- **Cumulative with Project** – Future forecast conditions with project-related traffic.

Analysis Methods

Vehicle Miles Traveled

“VMT” or Vehicle Miles of Travel is a measure used to describe automobile use on a daily basis. VMT is the product of the total number of vehicles traveling and the number of miles traveled per vehicle.

On September 27, 2013, Senate Bill (SB) 743 was signed into law. The California state legislature found that with the adoption of the Sustainable Communities and Climate Protection Act of 2008 (SB 375), the State had signaled its commitment to encourage land use and transportation planning decisions and investments that reduce vehicle miles traveled and thereby contribute to the reduction of greenhouse gas emissions, as required by the California Global Warming Solutions Act of 2006 (Assembly Bill 32). In December 2018, the Governor’s Office of Planning and Research (OPR) finalized new CEQA guidelines (CEQA Guidelines section 15064.3), that identify VMT as the most appropriate criteria to evaluate a project’s transportation impacts.

The implementation of SB 743 eliminated the use of criteria such as auto delay, level of service, and similar measures of vehicle capacity of traffic congestion as the basis for determining significant impacts as part of CEQA compliance. The SB 743 VMT criteria promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses.

Project VMT was assessed using the guidelines and thresholds of the City of Pittsburg, which are consistent with CCTA and OPR guidelines. The guidelines require that VMT analysis be prepared using the Regional Travel Behavior Model (CCTA Model). For employment-generating projects, home-work VMT per worker is used as the analysis metric. VMT calculations were prepared for the following scenarios:

- **Baseline No Project:** VMT was calculated using the year 2023 CCTA Model.



- **Baseline Plus Project:** VMT was calculated using the year 2023 CCTA Model with the Project land use added into transportation analysis zone (TAZ) 30648.¹

A Cumulative (2040) No Project and Cumulative (2040) Plus Project scenario is performed if the Project does not meet the Baseline thresholds, summarized in the *Thresholds of Significance for VMT* section below.

The CCTA Model was used to assess the home-work per worker VMT. The CCTA Model assigns all predicted trips within, across, or to or from the nine-county San Francisco Bay Area region onto the roadway network and the transit system by mode (single-driver and carpool vehicle, biking, walking, or transit) and transit carrier (bus, rail) for a particular scenario.

Level of Service

The operations of roadway facilities are described with the term “level of service” (LOS). LOS is a qualitative description of traffic flow from a vehicle driver’s perspective based on factors such as speed, travel time, delay, and freedom to maneuver. Six levels of service are defined, ranging from LOS A (free-flow conditions) to LOS F (over capacity conditions). LOS E corresponds to operations “at capacity.” When volumes exceed capacity, stop-and-go conditions result, and operations are designated LOS F.

Signalized Intersections

Traffic conditions at signalized intersections were evaluated using methods developed by the Transportation Research Board (TRB), as documented in the *Highway Capacity Manual, 6th Edition* (HCM 6th Edition) for vehicles using the analysis software Synchro 11.0. The HCM method calculates control delay at an intersection based on inputs such as traffic volumes, lane geometry, signal phasing and timing, pedestrian crossing times, and peak hour factors. Control delay is defined as the delay directly associated with the traffic control device (i.e., a stop sign or a traffic signal) and specifically includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. The relationship between LOS and control delay is summarized in **Table 1**.

Unsignalized Intersections

For unsignalized (all-way stop controlled and side-street stop controlled) intersections, the HCM 6th Edition method for unsignalized intersections was used. With this method, operations are defined by the average control delay per vehicle (measured in seconds). The control delay incorporates delay associated with deceleration, acceleration, stopping, and moving up in queue. **Table 2** summarizes the relationship

¹ The CCTA Model area is divided into geographic sub-areas called TAZs. TAZs are used in the CCTA Model to connect the land uses to the roadway network. Each TAZ includes land use information for that geographic sub-area within the model. The Project is located in TAZ 30648.



between LOS and delay for unsignalized intersections. At side-street stop-controlled intersections, the delay is calculated for each stop-controlled movement, the left turn movement from the major street, as well as the intersection average. The intersection average delay and highest movement/approach delay are reported for side-street stop-controlled intersections.

Table 1: Signalized Intersection LOS Criteria

Level of Service	Description	Delay in Seconds
A	Progression is extremely favorable, and most vehicles arrive during the green phase. Most vehicles do not stop at all. Short cycle lengths may also contribute to low delay.	≤ 10.0
B	Progression is good, cycle lengths are short, or both. More vehicles stop than with LOS A, causing higher levels of average delay.	> 10.1 to 20.0
C	Higher congestion may result from fair progression, longer cycle lengths, or both. Individual cycle failures may begin to appear at this level, though many still pass through the intersection without stopping.	> 20.1 to 35.0
D	The influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, or high V/C ratios. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.	> 35.1 to 55.0
E	This level is considered by many agencies to be the limit of acceptable delay. These high delay values generally indicate poor progression, long cycle lengths, and high V/C ratios. Individual cycle failures are frequent occurrences.	> 55.1 to 80.0
F	This level is considered unacceptable with oversaturation, which is when arrival flow rates exceed the capacity of the intersection. This level may also occur at high V/C ratios below 1.0 with many individual cycle failures. Poor progression and long cycle lengths may also be contributing factors to such delay levels.	> 80.0

Source: *Highway Capacity Manual, 6th Edition*, Transportation Research Board, 2017.

Table 2: Unsignalized Intersection LOS Criteria

Level of Service	Description	Delay in Seconds
A	Little or no delays	≤ 10.0
B	Short traffic delays	> 10.1 to 15.0
C	Average traffic delays	> 15.1 to 25.0
D	Long traffic delays	> 25.1 to 35.0
E	Very long traffic delays	> 35.1 to 50.0
F	Extreme traffic, delays where intersection capacity exceeded	> 50.0

Source: *Highway Capacity Manual, 6th Edition*, Transportation Research Board, 2017.



Regulatory Setting and Significance Criteria

Thresholds of Significance for VMT

In response to Senate Bill 743 (SB 743), the Office of Planning and Research updated the California Environmental Quality Act guidelines to include new transportation-related evaluation metrics. Draft guidelines were developed in August 2014, with final guidelines published in November 2017 incorporating public comments from the August 2014 and January 2016 guidelines. In December 2018, the California Natural Resources Agency certified and adopted the CEQA Guidelines update package along with an updated Technical Advisory related to Evaluating Transportation Impacts in CEQA (December 2018). Full compliance with the guidelines is now required, and vehicle-delay based level of service calculations cannot be used to evaluate the environmental impacts of projects on the transportation system.

The methods and thresholds used by the City follow the guidance and recommendations of OPR pertaining to the implementation of SB 743, as described below:

- For residential projects, a project would cause substantial additional VMT if it exceeds existing countywide household VMT per capita minus 15%.
- For office projects, a project would cause substantial additional VMT if it exceeds the existing countywide VMT per employee minus 15%.
- For regional retail projects, a project would cause substantial additional VMT if it exceeds the baseline Bay Area total VMT per service population minus 15%.
- For mixed-use projects, the project should be divided into individual constituent parts and evaluated against individual components' standards.

The City's guidelines define the following criteria that can screen projects out of conducting project-level VMT analysis:

- CEQA exemption – Any project exempt from CEQA is not required to conduct a VMT analysis.
- Small projects – Small projects generate or attract fewer than 110 trips per day. Based on research for small project triggers, this may equate to non-residential projects of 10,000 square feet or less and single-family residential projects of 10 units or less, or otherwise generating less than 836 VMT per day.
- Small scale, local-serving retail – Local-serving retail projects are defined as projects of less than 50,000 square feet in size on the basis that they attract trips that would otherwise travel longer



distances. Local-serving retail generally improves the convenience of shopping and other activities close to home and has the effect of reducing vehicle travel.

- Small and active transportation projects – Screened transportation projects are transit projects, bicycle and pedestrian projects, and roadway projects that do not result in an increase in vehicle capacity.
- Public services – Police stations, fire stations, public utilities, and parks do not generally generate VMT. Instead, these land uses are often built in response to development from other land uses (e.g., office and residential). Therefore, these land uses can be presumed to have less-than-significant impacts on VMT. However, this presumption would not apply if the project is sited in a location that would require employees or visitors to travel substantial distances and the project is not located within one half-mile of a major transit stop or does not meet the small project screening criterion.
- Projects located in transit priority areas (TPAs) – Projects located within a TPA can be presumed to have a less-than-significant impact absent substantial evidence to the contrary.
- Projects located in low VMT areas – Residential and employment-generating projects located within a low VMT-generating area can be presumed to have a less-than-significant impact absent substantial evidence to the contrary. A Low VMT area is defined as follows:
 - For housing projects: TAZs that have baseline home-based VMT per capita that is 85% or less of the existing countywide average.
 - For employment-generating projects: TAZs that have baseline home-work VMT per worker that is 85% or less of the existing countywide average.

Additional CEQA Thresholds

The following thresholds of significance were developed based on City of Pittsburg and East Contra Costa County Action Plan policies, as well as the CEQA Checklist criteria.

Would the project:

- A. Conflict with a program, plan, ordinance, or policy addressing the circulation system, including roadway, transit, bicycle, and pedestrian facilities?

Transit System – The project would create a significant impact related to transit service if the following criteria is met:

1. The project interferes with existing transit facilities or precludes the construction of planned transit facilities.



Bicycle System – The project would create a significant impact related to the bicycle system if any of the following criteria are met:

1. Disrupt existing bicycle facilities; or
2. Interfere with planned bicycle facilities; or
3. Create inconsistencies with adopted bicycle system plans, guidelines, policies, or standards.

Pedestrian System – The project would create a significant impact related to the pedestrian system if any of the following criteria are met:

1. Disrupt existing pedestrian facilities; or
 2. Interfere with planned pedestrian facilities; or
 3. Create inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards.
- B. Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?²
- C. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?
- D. Result in inadequate emergency access?

Non-CEQA Evaluation Criteria

Although not a CEQA metric, intersection levels of service were evaluated in this study for General Plan compliance and to identify potential transportation improvements that could be implemented as part of the project to improve the overall operations of the transportation system for all travel modes. The City of Pittsburg generally strives to maintain level of service D operations for signalized and stop-controlled intersections. In the designated Downtown core, LOS E would be considered an acceptable level of service standard to account for the more urban, pedestrian-oriented character of the area.

The project could have a noticeable effect on local and regional travel if it would cause an increase in traffic which is substantial in relation to the traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, or delay and congestion at intersections), or change the condition of an existing street (e.g., street closures, changing direction of travel) in a manner that would substantially change access or traffic load and capacity of the street system.

² This section of the CEQA Guidelines relates to the evaluation of vehicle miles of travel (VMT).



Report Organization

This report is divided into 7 chapters as described below:

- **Chapter 1 – Introduction** discusses the purpose and organization of the report.
- **Chapter 2 – Existing Conditions** describes the transportation system in the Project vicinity, including the surrounding roadway network, morning and evening peak period intersection turning movement volumes, existing bicycle, pedestrian, and transit facilities, and intersection operations.
- **Chapter 3 – Project Characteristics** presents relevant project information, such as the Project components and project trip generation, distribution, and assignment.
- **Chapter 4 – Existing with Project Traffic Conditions** addresses the existing conditions with the Project and discusses project vehicular impacts.
- **Chapter 5 – Cumulative Traffic Conditions** addresses the long-term future conditions, both without and with the Project, and discusses project vehicular impacts.
- **Chapter 6 – Site Plan Review** describes Project access and circulation for all travel modes.
- **Chapter 7 – Vehicle Miles of Travel** presents the results of the VMT assessment conducted for the Project.



2. Existing Conditions

This chapter describes transportation facilities in the Project study area, including the surrounding roadway network, and transit, pedestrian, and bicycle facilities in the Project site vicinity. Existing intersection operations are also described.

Roadway System

The Project site is surrounded by existing residential, school, industrial, and open space uses. Pittsburg is located in eastern Contra Costa County, adjacent to the cities of Bay Point, Antioch, and Concord located west, southeast, and southwest respectively.

Regional access to the site is provided by State Route 4, Pittsburg-Antioch Highway, and Auto Center Drive; Loveridge Road provides local access. The following roadways would provide access to the site and are most likely to experience direct traffic effects, if any, from the proposed Project:

Regional Access

Pittsburg-Antioch Highway is defined as a Route of Regional Significance in CCTA's *East County Action Plan for Routes of Regional Significance*. It is an east-west major arterial with two travel lanes in each direction. In the Project vicinity, sidewalks with no buffers are provided on one side heading east, after the Arcy Lane/Pittsburg-Antioch Highway intersection. Bicycle facilities are not present within the Project vicinity. The posted speed limit is 45 to 50 mph.

Auto Center Drive (formerly known as Somersville Road) is defined as a Route of Regional Significance in CCTA's *East County Action Plan for Routes of Regional Significance*. It is a north-south major arterial with two travel lanes in each direction and left turning median lanes. In the Project vicinity, sidewalks with no buffers and sidewalks with buffers are located along Auto Center Drive. No bicycle facilities are present within the Project vicinity. The posted speed limit is 35 mph.

State Route 4 (SR-4) is defined as a Route of Regional Significance in CCTA's *East County Action Plan for Routes of Regional Significance*. It is an east-west freeway that extends from Hercules in the west to Stockton and beyond in the east. The facility is an eight-lane freeway within the study area, with interchanges at Auto Center Drive/Somersville Road, Loveridge Road and California Avenue. All intersections at the interchanges are signalized and at its on- and off-ramps are operated by the California Department of Transportation (Caltrans).



Local Access

Loveridge Road is a north-south local road with two travel lanes in each direction and a center left turn lane. Sidewalks with no buffers and bicycle lanes are provided south of the Loveridge Road/Pittsburg-Antioch Highway intersection. The posted speed limit is 35 to 40 mph. Loveridge Road serves residential communities and commercial and industrial businesses located west and south of the Project site.

Existing Pedestrian and Bicycle Facilities

Pedestrian facilities in the study area include sidewalks, crosswalks, pedestrian signals, and multi-use trails. Eight-foot sidewalks are provided along the south side of Pittsburg-Antioch Highway heading east toward the Auto Center Drive/West Tenth Street intersection. No sidewalks are available west of the Arcy Lane/Pittsburg-Antioch Highway intersection. Crosswalks are provided at signalized and unsignalized intersections. Pedestrian push-button actuated signals are provided at signalized intersections in the study area.

Bicycle facilities in Pittsburg include the following:

- **Bike paths (Class I)** – Bike paths provide a completely separate right-of-way and are designated for the exclusive use of people riding bicycles and walking with minimal cross-flow traffic. Such paths can be well situated along creeks, canals, and rail lines. Class I Bikeways can also offer opportunities not provided by the road system by serving as both recreational areas and/or desirable commuter routes.
- **Bike lanes (Class II)** – Bike lanes provide designated street space for bicyclists, typically adjacent to the outer vehicle travel lanes. Bike lanes include special lane markings, pavement legends, and signage. Bike lanes may be enhanced with painted buffers between vehicle lanes and/or parking, and green paint at conflict zones (such as driveways or intersections).
- **Bike routes (Class III)** – Bike routes provide enhanced mixed-traffic conditions for bicyclists through signage, striping, and/or traffic calming treatments, and to provide continuity to a bikeway network. Bike routes are typically designated along gaps between bike trails or bike lanes, or along low-volume, low-speed streets. Bicycle boulevards provide further enhancements to bike routes to encourage slow speeds and discourage non-local vehicle traffic via traffic diverters, chicanes, traffic circles, and/or speed tables. Bicycle boulevards can also feature special wayfinding signage to nearby destinations or other bikeways.

Within the Project vicinity, there are currently no bicycle facilities. The City of Pittsburg's Active Transportation Plan (Pittsburg Moves, December 2020) calls for the installation of sidewalks and a Class I bicycle facility along the Pittsburg-Antioch Highway in the vicinity of the Project site.



Existing Transit Service

The Eastern Contra Costa Transit Authority (Tri Delta Transit) provides transit service in eastern Contra Costa County, serving the communities of Brentwood, Antioch, Oakley, Concord, Discovery Bay, Bay Point and Pittsburg. The following routes operate in the vicinity of the Project site:

- Route 380 – Pittsburg-Bay Point BART/Antioch BART (Weekdays only)
- Route 381 – Pittsburg Marina/Los Medanos College Pittsburg (Weekdays only)
- Route 387 – Antioch BART/Pittsburg-Bay Point BART (Weekdays only)
- Route 388 – Pittsburg-Bay Point BART/Kaiser Antioch Medical Center (Weekdays only)
- Route 390 – Antioch BART/Pittsburg-Bay Point BART (Weekdays only/Commuter hours)
- Route 391 – Brentwood Park & Ride/Pittsburg Center Station (Weekdays only)
- Route 392 – Antioch BART/Pittsburg-Bay Point BART (Weekends and Holidays)
- Route 394 – Antioch BART/Pittsburg-Bay Point BART (Weekends and Holidays)
- Route 396 – Somersville Towne Center/Bay Point (Weekends and Holidays)

Routes 388 and 392 are the closest to the Project site, with bus stops approximately two miles from the site, west of the Loveridge/Pittsburg-Antioch Highway intersection. This route provides connections to the other Tri Delta routes as well as the Pittsburg Transit Center, Pittsburg/Bay Point BART Station, and Antioch BART station.

In addition to the regular transit service to the study area, dial-a-ride door-to-door service within Eastern Contra Costa County is provided by Tri Delta Transit for disabled people of all ages and senior citizens.

Bay Area Rapid Transit (BART) provides fixed rail transit to eastern Contra Costa County. The Antioch-SFO/Millbrae line provides access to two stations located in Pittsburg. The Pittsburg/Bay Point station is approximately five miles west of the Project site. The Pittsburg Center station is approximately one and one-half miles south of the Project site. Weekday service is provided on approximately 15-minute headways and weekend service is provided on approximately 20-minute headways. The Antioch-SFO/Millbrae Line connects to key regional employment centers including Concord, Pleasant Hill, Walnut Creek, Oakland, and San Francisco. Transfers to other lines can be made in Oakland.



Existing Traffic Counts

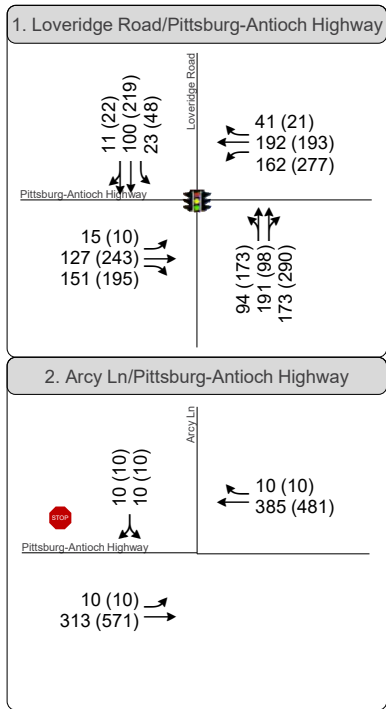
Weekday morning (7:00 to 9:00 AM) and evening (4:00 to 6:00 PM) peak period intersection turning movement counts were collected at the study intersection in March 2023 with area schools in normal sessions. Peak hour intersection vehicle volumes are summarized in **Figure 3** along with existing lane configurations and traffic controls. The traffic counts for existing conditions are provided in **Appendix A**.

Existing Intersection Levels of Service

Existing intersection lane configurations, signal timings, and peak hour turning movement volumes were used to calculate the LOS for the study intersections during each peak hour. The Synchro 11.0 software program was used to analyze all intersections. The existing levels of service are presented in **Table 3**. Observed peak hour factors³ were used at all intersections for the existing analysis. Detailed intersection LOS calculation worksheets are presented in **Appendix B**.

³ The peak hour factor is the relationship between the peak 15-minute flow rate and the full hourly volume: $PHF = \text{Hourly volume} / (4 \times (\text{volume during the peak 15 minutes of flow}))$. The analysis level of service is based on peak rates of flow occurring within the peak hour because substantial short term fluctuations typically occurring during an hour.





XX (YY) AM (PM) Peak Hour Traffic Volumes



Signalized Intersection



Stop Sign



Project Site



Study Intersection



Figure 3
Existing Peak Hour
Intersection Volumes, Lane Configurations and Traffic Control

Table 3: Existing Conditions Peak Hour Intersection LOS Summary

	Intersection	Control ¹	Peak Hour ²	LOS Standard	Delay ³	LOS
1.	Loveridge Road / Pittsburg-Antioch Highway	Signal	AM PM	LOS D	22.9 28.4	C C
2.	Arcy Lane / Pittsburg-Antioch Highway	SSSC	AM PM	LOS D	0.5 (13.4) 0.4 (17.5)	A (B) A (C)

Notes:

1. Traffic control type (Signal = Signalized; SSSC = Side-Street Stop-Controlled)
2. AM = Weekday morning peak hour, PM = Weekday evening peak hour
3. Whole intersection average delay reported for signalized intersections. Side-street stop-controlled delay presented as Whole Intersection Average Delay (Worst Movement Delay). Delay calculated per HCM 6th methodologies.

Bold indicates unacceptable operations.

Source: Fehr & Peers, 2023.

According to the City of Pittsburg’s LOS standards, the study intersections operate acceptably under existing conditions.



3. Project Characteristics

This chapter provides an overview of the proposed Project components and addresses the proposed project trip generation, distribution, and assignment characteristics, allowing for an evaluation of potential project impacts on the surrounding roadway network. The amount of traffic associated with the Project was estimated using a three-step process:

1. **Trip Generation** – The *amount* of vehicle traffic entering/exiting the Project site was estimated.
2. **Trip Distribution** – The *direction* trips would use to approach and depart the site was projected.
3. **Trip Assignment** – Trips were then *assigned* to specific roadway segments and intersection turning movements.

Project Description

The Project site is located in Pittsburg, California, approximately one-half mile north of Arcy Lane/Pittsburg-Antioch Highway, as shown in Figure 1. The site is zoned for industrial use. The proposed project would construct an approximately 113,200 square-foot renewable hydrogen production facility occupied by roughly 30 full-time daily employees. The Project site plan is shown on Figure 2.

Vehicular access to the Project would be provided by Arcy Lane with the main entrance located in the southeast corner of the site. Emergency vehicle access would be provided via an existing access road on the western side of the site leading to East Third Street and Pittsburg Waterfront Road, as illustrated on Figure 2. Regional access is available via full movement interchanges with State Route 4 at Loveridge Road, and Somersville Road.



Trip Generation

Trip generation refers to the process of estimating the amount of vehicular traffic a project would add to the surrounding roadway system. Estimates are created for the daily condition and for the peak one-hour period during the morning and evening commute when traffic volumes on the adjacent streets are typically the highest. Project trip generation was estimated using rates from the Institute of Transportation Engineers (ITE) *Trip Generation Manual* (11th Edition). The amount of traffic that would be generated by the 30 full-time employees expected to be present on the site (22 during the day and 8 at night) was estimated using rates from the manual’s Land Use Code 110, General Light Industrial. In addition to the employee-related traffic, the site would attract on an average day approximately 94 total truck trips accounting for inbound and outbound movements. These trips include waste feedstock delivery and return, produced hydrogen, and byproduct supply and disposal .

Using this data, trip generation estimates were developed for the proposed Project and are presented in

Table 4. The project is expected to generate approximately 187 daily vehicle trips, including approximately 32 morning peak hour trips and approximately 30 evening peak hour trips.

Table 4: Trip Generation Summary

Land Use	Vehicle Type	Quantity ¹	Daily	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
General Light Industrial ²	Passenger Vehicles	30	93	13	3	16	3	12	15
	Heavy Vehicles		94	8	8	16	7	8	15
<i>Total New Vehicle Trips</i>			187	21	11	32	10	20	30

1. Quantity in employees

2. ITE land use category 110 – General Light Industrial (Adj Streets, 7-9A, 4-6P):

Daily: $T = 3.10(X)$

AM Peak Hour: $T = 0.53(X)$; Enter = 83%; Exit = 17%

PM Peak Hour: $T = 0.49(X)$; Enter = 22%; Exit = 78%

Source: *Trip Generation Manual* (11th Edition), ITE, 2017; Fehr & Peers, 2023.

Project Trip Distribution and Assignment

Project trip distribution refers to the directions of approach and departure that vehicles would take to access and leave the site. Estimates of regional project trip distribution were developed based on existing travel patterns in the area, a select zone analysis using the Contra Costa Transportation Authority (CCTA) travel demand model, and the location of complementary land uses. The resulting trip distribution percentages are shown on **Figure 4**. Project trips were then assigned to the roadway network, as shown on **Figure 5**.

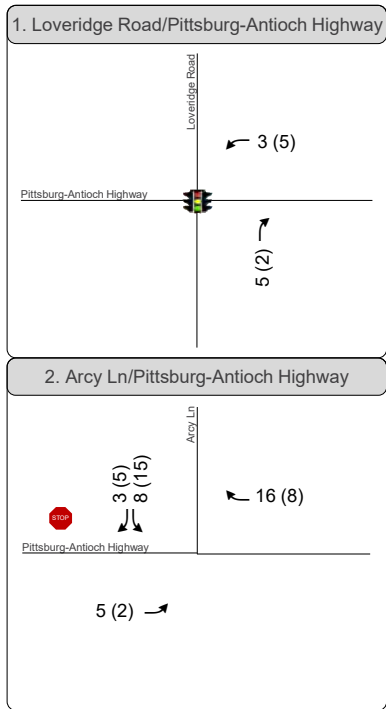




Project Site
 XX% Project Trip Distribution



Figure 4
Project Trip Distribution



XX (YY) AM (PM) Peak Hour Traffic Volumes



Signalized Intersection



Stop Sign



Project Site



Study Intersection



Figure 5

4. Existing With Project Traffic Conditions

This chapter provides an evaluation of the project’s potential off-site effects on intersection levels of service under Existing with Project conditions.

Existing with Project Traffic Volumes

The Project traffic volumes on Figure 5 were added to the existing traffic volumes from Figure 3 to estimate the Existing with Project traffic volumes, as shown on **Figure 6**. An assessment of site access is provided in the site plan review.

Analysis of Existing with Project Conditions

Intersection Operations

Existing with Project intersections were evaluated using the methods described in Chapter 1. The Existing with Project analysis results are based on the traffic volumes and intersection configurations presented in Figure 6. A comparison of Existing and Existing with Project operations results is presented in **Table 5**.

Table 5: Existing with Project Conditions Peak Hour Intersection LOS Summary

Intersection	Control ¹	Peak Hour ²	LOS Standard	Existing		Existing with Project	
				Delay ³	LOS	Delay ³	LOS
1. Loveridge Road / Pittsburg-Antioch Highway	Signal	AM PM	LOS D	22.9	C	23.0	C
				28.4	C	28.7	C
2. Arcy Lane / Pittsburg-Antioch Highway	SSSC	AM PM	LOS D	0.5 (13.4)	A (B)	0.7 (14.3)	A (B)
				0.4 (17.5)	A (C)	0.8 (20.4)	A (C)

Notes:

1. Traffic control type (Signal = Signalized; SSSC = Side-Street Stop-Controlled)
2. AM = Weekday morning peak hour, PM = Weekday evening peak hour
3. Whole intersection average delay reported for signalized intersections. Side-street stop-controlled delay presented as Whole Intersection Average Delay (Worst Movement Delay). Delay calculated per HCM 6th methodologies.

Bold indicates unacceptable operations.

Underline indicates a policy violation related to Project-generated traffic.

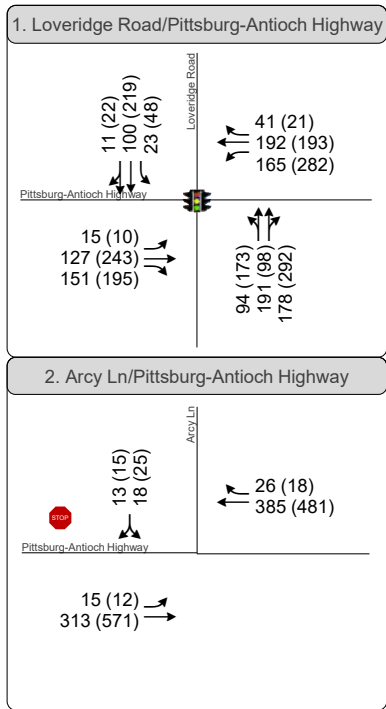
Source: Fehr & Peers, 2023.



Existing Conditions Policy Violations and Improvements

No off-site intersection policy violations of the proposed Project were identified in the Existing with Project condition based on the established criteria and policies. The Project's access point at Arcy Lane/Pittsburg-Antioch Highway would operate at LOS A as a whole with LOS B and C on the minor street movement (left turn out of Arcy Lane).





XX (YY) AM (PM) Peak Hour Traffic Volumes



Signalized Intersection



Stop Sign



Project Site



Study Intersection



Figure 6

Existing with Project Peak Hour Intersection Volumes, Lane Configurations and Traffic Control

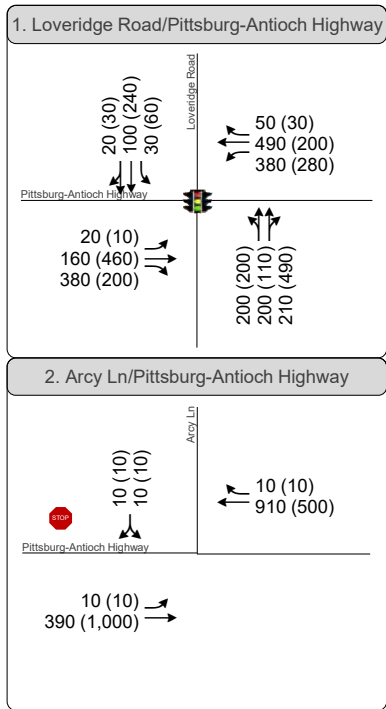
5. Cumulative Traffic Conditions

This chapter discusses Cumulative traffic conditions both without and with the Project. The future conditions analysis considers development within the City of Pittsburg as described in the General Plan.

Cumulative Traffic Forecasts

To assess future growth with planned development in the City of Pittsburg, several sources of data were reviewed, including the Contra Costa County Travel Demand Model (CCTA Model), and the traffic growth trends as described in the Pittsburg General Plan EIR. Traffic forecasts within the immediate study area were reviewed to ensure that known developments were adequately reflected in the forecasts. Minor adjustments were made to the forecasts to balance traffic volumes between closely spaced intersections in the study area. The resulting Cumulative without project forecasts are presented in **Figure 7**, which are representative of conditions over the next 20 years. The Project volumes from **Figure 5** were added to the Cumulative without Project traffic volumes to represent Cumulative with Project conditions, as presented on **Figure 8**.





XX (YY) AM (PM) Peak Hour Traffic Volumes



Signalized Intersection



Stop Sign



Project Site

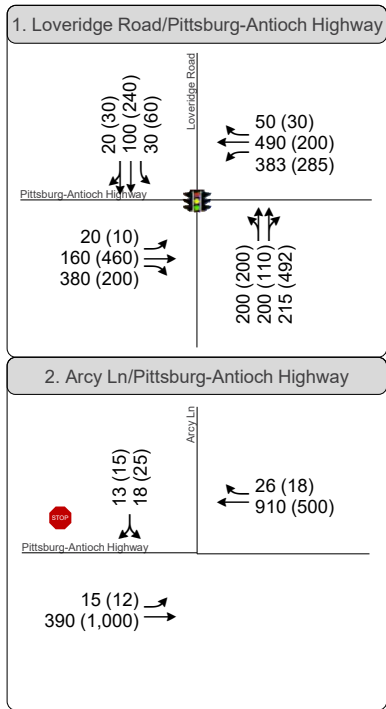


Study Intersection



Figure 7

Cumulative without Project Peak Hour Intersection Volumes, Lane Configurations and Traffic Control



XX (YY) AM (PM) Peak Hour Traffic Volumes



Signalized Intersection



Stop Sign



Project Site



Study Intersection



Figure 8

Cumulative with Project Peak Hour Intersection Volumes, Lane Configurations and Traffic Control

Analysis of Cumulative Conditions

Intersection Operations

Cumulative without and with Project conditions were evaluated using the methods described in Chapter 1. The analysis results are presented in **Table 6**, based on traffic volumes presented on Figure 7 and Figure 8.

Table 6: Cumulative Conditions Peak Hour Intersection LOS Summary

Intersection	Control ¹	Peak Hour ²	LOS Standard	Cumulative		Cumulative with Project	
				Delay ³	LOS	Delay ³	LOS
1. Loveridge Road / Pittsburg-Antioch Highway	Signal	AM PM	LOS D	34.7 50.9	C D	35.2 51.5	D D
2. Arcy Lane / Pittsburg-Antioch Highway	SSSC	AM PM	LOS D	0.5 (26.8) 0.4 (27.6)	A (D) A (D)	0.8 (30.9) 1.0 (36.6)	A (D) A (E)

Notes:

1. Traffic control type (Signal = Signalized; SSSC = Side-Street Stop-Controlled)

2. AM = Weekday morning peak hour, PM = Weekday evening peak hour

3. Whole intersection average delay reported for signalized intersections. Side-street stop-controlled delay presented as Whole Intersection Average Delay (Worst Movement Delay). Delay calculated per HCM 6th methodologies.

Bold indicates unacceptable operations.

Underline indicates a policy violation related to Project-generated traffic.

Source: Fehr & Peers, 2023.

Cumulative Conditions Policy Violations and Improvements

No off-site intersection policy violations were identified in the Cumulative with Project condition based on the established criteria and policies. The Arcy Lane/Pittsburg-Antioch Highway intersection would operate at LOS for all movements; however, the worst minor street movement would function at LOS E with 36.6 seconds of delay in the PM peak hour. Signal warrants would not be met at this location in this scenario and thus this would not be considered a violation of City standards.



6. Site Plan Review

This chapter analyzes site access and internal circulation for vehicles, pedestrians, bicycles, and emergency vehicles based on the site plan presented previously on Figure 2.

Vehicular Site Access and Circulation

Vehicular access to the Project site would be provided via Arcy Lane. Emergency vehicle access would be provided via an existing access road on the western side of the site leading to East Third Street and Pittsburg Waterfront Road, as illustrated on Figure 2.

The posted speed limit on Arcy Lane is 25 miles per hour. Table 201.1 of the Caltrans *Highway Design Manual* (HDM) states that the stopping sight distance standard for a design speed of 25 miles per hour is 150 feet. Thus, adequate sight distance appears to be provided at the new driveway location proposed by the Project. However, as the Project's design is finalized, these distances should be checked, and the Project should propose no features (signs, landscaping, etc.) that would compromise driveway sight distance.

Site Recommendation 1: The final site plan for the Project should be analyzed by the Project's Civil Engineer to ensure that adequate sight distance is maintained at all driveways. No objects (landscaping, monument signs, etc.) greater than three feet in height should be allowed within the sight distance triangles at driveway intersections. Review available speed survey information from the City and adjust required sight distance if necessary.

Parking spaces and aisles are visible at the building closest to the driveway at the southeast corner of the site but not clearly illustrated or noticeable throughout the rest of the site in Figure 2, but roadway widths connecting through the site are depicted and defined. Trucks are expected to travel on site for work purposes and emergency access.

Site Recommendation 2: The final site plan for the Project should illustrate truck turning templates at project driveways and internal roadways showing that applicable routes of travel provide sufficient space for emergency vehicles, trucks, and automobiles.

Emergency Vehicle Access

Several factors determine whether a project has sufficient access for emergency vehicles, including the following:

1. Number of access points (both public and emergency access only)



2. Width of access points
3. Width of internal roadways

The project's proposed access points on Arcy Lane and a second connection to the west of the site would provide emergency vehicle access to the site.

Site Recommendation 3: In accordance with City and Contra Costa County Fire District requirements and design standards, provide even surface pavement, appropriate signage, delineation, and other features at all emergency access points and internal roadways to accommodate emergency vehicles. As part of the Project's final design and permitting process, seek and obtain approval of the Contra Costa County Fire District.

Pedestrian Access and Circulation

The Project would create a significant impact related to the pedestrian system if any of the following criteria are met:

- Disrupt existing pedestrian facilities; or
- Interfere with planned pedestrian facilities; or
- Create inconsistencies with adopted pedestrian system plans, guidelines, policies, or standards.

However, the project proposes no features that would be hazardous to pedestrian travel and does not conflict with any pedestrian facilities plans or programs.

Site Recommendation 4: Provide safe and adequate pedestrian facilities within the site that follow City standards and provide ADA compliant sidewalks on roadways throughout the project site. At all internal roadway intersections, ADA compliant ramps shall be provided. Pedestrian paths should be identified and marked crosswalks installed at key uncontrolled pedestrian crossing locations.

Bike Access and Circulation

The Project would create a significant impact related to the bicycle system if any of the following criteria are met:

- Disrupt existing bicycle facilities; or
- Interfere with planned bicycle facilities; or
- Create inconsistencies with adopted bicycle system plans, guidelines, policies, or standards.



While the project does not propose any designated bicycle facilities (lanes, routes, or paths), bicycles would be permitted on all internal roadways. The project proposes no features that would be hazardous to bicycle travel and does not conflict with any bicycle facilities plans or programs.

Transit Access

The Project would create a significant impact related to transit service if the following criteria are met:

- The project interferes with existing transit facilities or precludes the construction of planned transit facilities.

The project proposes no features which conflict with existing or planned transit services. The project is not expected to result in increases in ridership on local or regional transit facilities that would exceed their capacity. Significant adverse project impacts related to transit were not identified.

Construction

Project construction is anticipated to last 21 to 24 months and involve 150 to 225 on-site workers and staff. Construction would occur in three phases, with Phase 1 including demolition and removal of existing structures and site clearing. Phase 2 would begin following completion of Phase 1 and include installation of concrete foundations to support the buildings and equipment. Phase 3 would begin following completion of Phase 2 and include the building construction and connection, testing and commission of plant modules and systems. Construction laydown and staging are anticipated to be included within the project site study area. All construction vehicle entry and exit to the site, both trucks and worker vehicles, would occur via the proposed driveway along Arcy Lane, half mile north of the Arcy Lane/Pittsburg-Antioch Highway intersection.

Site Recommendation 5: A Construction Traffic Management Plan shall be developed and implemented to minimize impacts to the transportation system. The Construction Traffic Management Plan shall detail the Project's construction schedule, vehicle type time-of-day plans, route planning, advanced public notices of partial or full street closures or traffic diversion, and other strategies to reduce potential conflicts during construction. The plan shall include, but not be limited to, the following:

- Identification of the traffic controls and methods proposed during each phase of project construction. Provision of safe and adequate access for vehicles, transit, bicycles, and pedestrians. Traffic controls and methods employed during construction shall be in accordance with City of Pittsburg standards and the requirements of the Manual of Uniform Traffic Control Devices (FHWA, 2009 MUTCD with Revisions 1, 2 and 3, July 2022).



- Provision of notice to relevant emergency services, thereby avoiding interference with adopted emergency plans, emergency vehicle access, or emergency evacuation plans.
- Preservation of emergency vehicle access.
- Identification of approved truck routes in communication with City of Pittsburg.
- Location of staging areas and the location of construction worker parking.
- Identification of the means and locations of the separation (i.e., fencing) of construction areas and adjacent active uses.
- The provision of flaggers at all on-site locations where construction trucks and construction worker vehicles conflict with vehicle, bicycle, transit, or pedestrian traffic.
- Provision of a point of contact for residents to obtain construction information, have questions answered and convey complaints.



7. Vehicle Miles Traveled

This chapter evaluates the Project’s baseline VMT impacts on the surrounding transportation system. Baseline land use assumptions are also described in this section.

Project Land Use Changes

The VMT analysis uses the latest CCTA model land use and network input files. Land use files for Baseline (2023) were updated based on the project description. **Table 7** summarizes the land use changes made in the Project’s Traffic Analysis Zone (TAZ) within the CCTA Model to reflect the Project.

Table 7: Total TAZ Employment Land Use Assumptions – CCTA Model

Scenario	TAZ	No Project Land Use (Total Employment)	Plus Project Land Use (Total Employment)	Difference
Baseline	30648	145	175	30

Source: Fehr & Peers, June 2023, CCTA travel demand model.

Baseline (2023) VMT Results

To conduct the VMT assessment, the CCTA travel demand model was used to estimate average daily vehicle miles of travel for the Project. Per the City’s guidance, home-work VMT per worker was used to evaluate project-generated VMT for this project. The weekday daily average home-work VMT per employee for the Project as compared to the relevant significance threshold are presented in **Table 8**.

Table 8: Baseline VMT Analysis Summary

Scenario	Baseline Threshold ¹	Project TAZ (Home-work VMT per worker)		Difference from Threshold
		No Project	With Project	
Baseline	12.8	11.4	11.6	-1.2 (-9.4%)

Notes:

1. Based on the City of Pittsburg’s guidelines the applicable threshold is 85% of the countywide average home-work VMT per worker (15.0).

Source: Fehr & Peers, May 2023, CCTA travel demand model.

Based on the City of Pittsburg’s VMT impact threshold, the Project would result in a significant VMT impact if the Project VMT exceeds 85% of the countywide home-work VMT per worker in the Baseline (No Project) conditions. The Project is expected to result in a VMT of 11.6 home-work VMT per worker, which



is less than the 12.8 home-work VMT per worker threshold by approximately nine percent. Therefore, the Project results in a ***less than significant impact*** with respect to VMT under Baseline conditions.



8. Summary of Findings

The proposed Project was not found to result in any violations of the City of Pittsburg's standards related to roadway levels of service and adequate vehicular access to the site is provided to support the proposed use. No significant adverse impacts related to transportation were identified, including potential impacts related to vehicle, pedestrian, bicycle, and transit modes of access. Adequate emergency vehicle access would be provided to the site as proposed. The Project would have a less than significant impact related to VMT, with an average home based VMT per worker of 11.6 daily vehicle miles of travel.



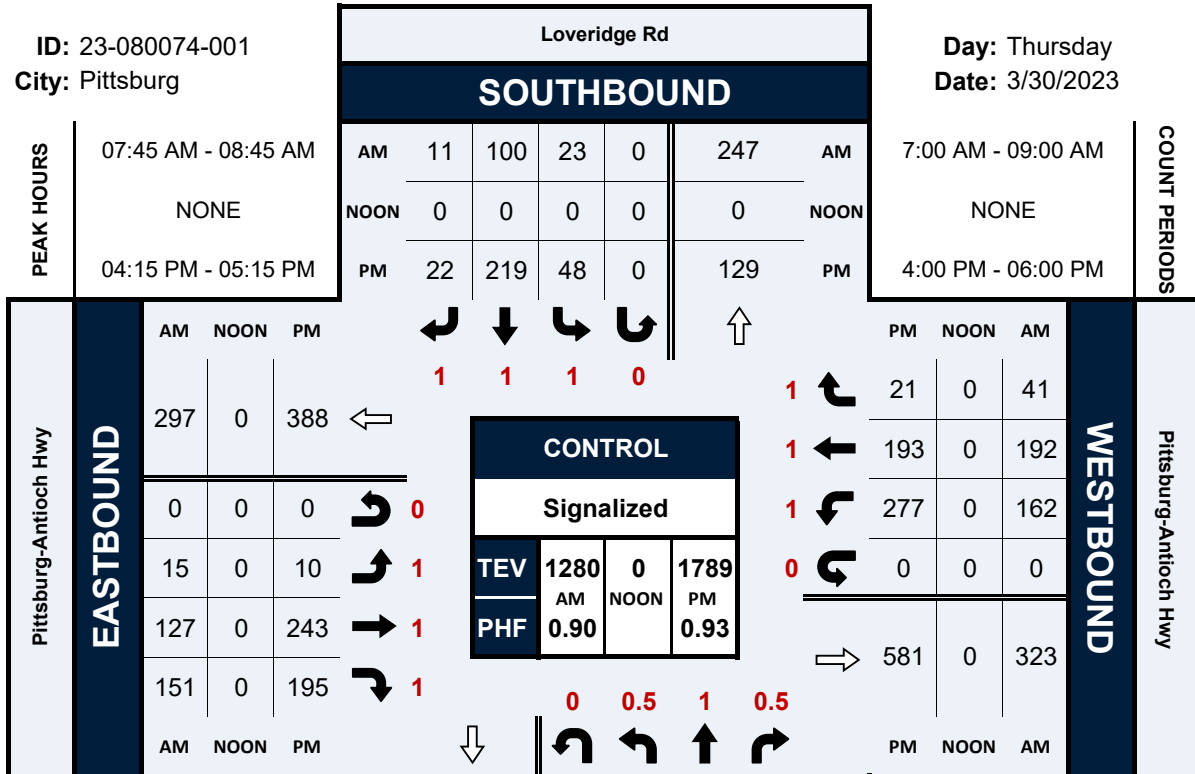
Appendix A: Counts

Loveridge Rd & Pittsburg-Antioch Hwy

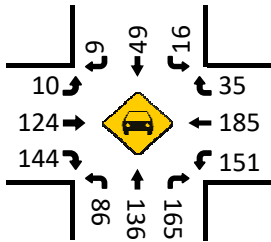
Peak Hour Turning Movement Count

ID: 23-080074-001
City: Pittsburg

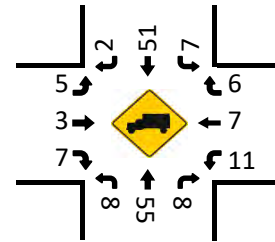
Day: Thursday
Date: 3/30/2023



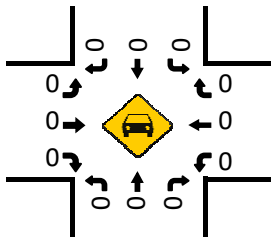
Cars (AM)



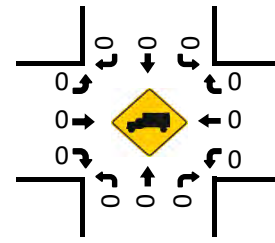
HT (AM)



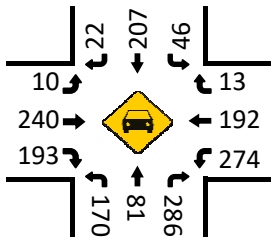
Cars (NOON)



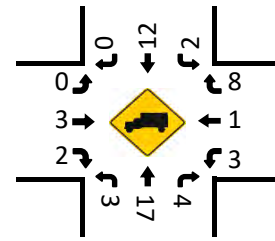
HT (NOON)



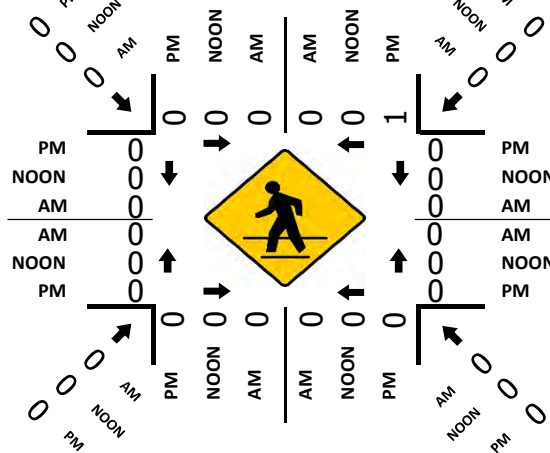
Cars (PM)



HT (PM)



Pedestrians (Crosswalks)



Appendix B: LOS Calculation Worksheets

HCM 6th Signalized Intersection Summary
 1: Loveridge Road & Pittsburg-Antioch Highway

Pittsburg H Cycle
 Existing AM



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗	↘	↖	↗	↘		↕		↖	↗	
Traffic Volume (veh/h)	15	127	151	162	192	41	94	191	173	23	100	11
Future Volume (veh/h)	15	127	151	162	192	41	94	191	173	23	100	11
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	17	141	34	180	213	0	104	212	132	26	111	6
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	36	319	271	232	525		156	327	213	305	587	31
Arrive On Green	0.02	0.17	0.17	0.13	0.28	0.00	0.20	0.20	0.20	0.17	0.17	0.17
Sat Flow, veh/h	1767	1856	1572	1767	1856	1572	782	1634	1064	1767	3403	183
Grp Volume(v), veh/h	17	141	34	180	213	0	242	0	206	26	57	60
Grp Sat Flow(s),veh/h/ln	1767	1856	1572	1767	1856	1572	1816	0	1664	1767	1763	1823
Q Serve(g_s), s	0.6	3.9	1.1	5.7	5.4	0.0	7.1	0.0	6.6	0.7	1.6	1.6
Cycle Q Clear(g_c), s	0.6	3.9	1.1	5.7	5.4	0.0	7.1	0.0	6.6	0.7	1.6	1.6
Prop In Lane	1.00		1.00	1.00		1.00	0.43		0.64	1.00		0.10
Lane Grp Cap(c), veh/h	36	319	271	232	525		363	0	333	305	304	314
V/C Ratio(X)	0.47	0.44	0.13	0.78	0.41		0.66	0.00	0.62	0.09	0.19	0.19
Avail Cap(c_a), veh/h	183	1430	1212	618	1714		864	0	792	1036	1033	1068
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.1	21.5	20.3	24.4	16.9	0.0	21.4	0.0	21.2	20.2	20.5	20.5
Incr Delay (d2), s/veh	9.0	1.0	0.2	5.5	0.5	0.0	2.1	0.0	1.9	0.1	0.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	1.6	0.4	2.4	1.9	0.0	2.9	0.0	2.5	0.3	0.6	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	37.0	22.5	20.5	29.9	17.4	0.0	23.5	0.0	23.1	20.3	20.8	20.8
LnGrp LOS	D	C	C	C	B		C	A	C	C	C	C
Approach Vol, veh/h		192			393	A		448			143	
Approach Delay, s/veh		23.4			23.1			23.3			20.7	
Approach LOS		C			C			C			C	
Timer - Assigned Phs		2	3	4		6	7	8				
Phs Duration (G+Y+Rc), s		16.3	12.3	14.7		14.7	5.9	21.1				
Change Period (Y+Rc), s		* 4.7	* 4.7	* 4.7		4.7	* 4.7	* 4.7				
Max Green Setting (Gmax), s		* 28	* 20	* 45		34.0	* 6	* 54				
Max Q Clear Time (g_c+I1), s		9.1	7.7	5.9		3.6	2.6	7.4				
Green Ext Time (p_c), s		2.5	0.3	0.8		0.6	0.0	1.1				

Intersection Summary

HCM 6th Ctrl Delay	22.9
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Intersection						
Int Delay, s/veh	0.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↘	↗	↗	↘	↘	↘
Traffic Vol, veh/h	10	313	385	10	10	10
Future Vol, veh/h	10	313	385	10	10	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	500	-	-	0	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	11	348	428	11	11	11

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	439	0	-	0	798 428
Stage 1	-	-	-	-	428 -
Stage 2	-	-	-	-	370 -
Critical Hdwy	4.13	-	-	-	6.43 6.23
Critical Hdwy Stg 1	-	-	-	-	5.43 -
Critical Hdwy Stg 2	-	-	-	-	5.43 -
Follow-up Hdwy	2.227	-	-	-	3.527 3.327
Pot Cap-1 Maneuver	1116	-	-	-	354 625
Stage 1	-	-	-	-	655 -
Stage 2	-	-	-	-	696 -
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1116	-	-	-	350 625
Mov Cap-2 Maneuver	-	-	-	-	350 -
Stage 1	-	-	-	-	648 -
Stage 2	-	-	-	-	696 -

Approach	EB	WB	SB
HCM Control Delay, s	0.3	0	13.4
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1116	-	-	-	449
HCM Lane V/C Ratio	0.01	-	-	-	0.049
HCM Control Delay (s)	8.3	-	-	-	13.4
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.2

HCM 6th Signalized Intersection Summary
 1: Loveridge Road & Pittsburg-Antioch Highway

Pittsburg H Cycle
 Existing PM



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑	↗	↖	↑	↗		↕		↖	↗	
Traffic Volume (veh/h)	10	243	195	277	193	21	173	98	290	48	219	22
Future Volume (veh/h)	10	243	195	277	193	21	173	98	290	48	219	22
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	11	261	51	298	208	0	186	105	182	52	235	18
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	24	352	298	349	694		259	149	271	253	476	36
Arrive On Green	0.01	0.19	0.19	0.20	0.37	0.00	0.20	0.20	0.20	0.14	0.14	0.14
Sat Flow, veh/h	1767	1856	1570	1767	1856	1572	1296	748	1358	1767	3320	253
Grp Volume(v), veh/h	11	261	51	298	208	0	257	0	216	52	124	129
Grp Sat Flow(s),veh/h/ln	1767	1856	1570	1767	1856	1572	1791	0	1611	1767	1763	1810
Q Serve(g_s), s	0.4	9.3	1.9	11.4	5.5	0.0	9.4	0.0	8.6	1.8	4.5	4.6
Cycle Q Clear(g_c), s	0.4	9.3	1.9	11.4	5.5	0.0	9.4	0.0	8.6	1.8	4.5	4.6
Prop In Lane	1.00		1.00	1.00		1.00	0.72		0.84	1.00		0.14
Lane Grp Cap(c), veh/h	24	352	298	349	694		357	0	322	253	253	259
V/C Ratio(X)	0.45	0.74	0.17	0.85	0.30		0.72	0.00	0.67	0.21	0.49	0.50
Avail Cap(c_a), veh/h	152	1189	1006	514	1426		708	0	637	861	859	882
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.1	26.6	23.7	27.0	15.4	0.0	26.1	0.0	25.8	26.4	27.5	27.6
Incr Delay (d2), s/veh	12.6	3.1	0.3	9.0	0.2	0.0	2.7	0.0	2.4	0.4	1.5	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	4.0	0.7	5.1	2.0	0.0	4.0	0.0	3.3	0.7	1.9	1.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	46.7	29.7	23.9	36.0	15.6	0.0	28.8	0.0	28.2	26.8	29.0	29.0
LnGrp LOS	D	C	C	D	B		C	A	C	C	C	C
Approach Vol, veh/h		323			506	A		473			305	
Approach Delay, s/veh		29.4			27.6			28.6			28.6	
Approach LOS		C			C			C			C	
Timer - Assigned Phs		2	3	4		6	7	8				
Phs Duration (G+Y+Rc), s		18.6	18.5	18.0		14.7	5.7	30.8				
Change Period (Y+Rc), s		* 4.7	* 4.7	* 4.7		4.7	* 4.7	* 4.7				
Max Green Setting (Gmax), s		* 28	* 20	* 45		34.0	* 6	* 54				
Max Q Clear Time (g_c+I1), s		11.4	13.4	11.3		6.6	2.4	7.5				
Green Ext Time (p_c), s		2.6	0.5	1.6		1.5	0.0	1.1				

Intersection Summary

HCM 6th Ctrl Delay	28.4
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Intersection						
Int Delay, s/veh	0.4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	10	571	481	10	10	10
Future Vol, veh/h	10	571	481	10	10	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	500	-	-	0	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	11	614	517	11	11	11

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	528	0	-	0	1153 517
Stage 1	-	-	-	-	517 -
Stage 2	-	-	-	-	636 -
Critical Hdwy	4.13	-	-	-	6.43 6.23
Critical Hdwy Stg 1	-	-	-	-	5.43 -
Critical Hdwy Stg 2	-	-	-	-	5.43 -
Follow-up Hdwy	2.227	-	-	-	3.527 3.327
Pot Cap-1 Maneuver	1034	-	-	-	217 556
Stage 1	-	-	-	-	596 -
Stage 2	-	-	-	-	526 -
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1034	-	-	-	215 556
Mov Cap-2 Maneuver	-	-	-	-	215 -
Stage 1	-	-	-	-	589 -
Stage 2	-	-	-	-	526 -

Approach	EB	WB	SB
HCM Control Delay, s	0.1	0	17.5
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1034	-	-	-	310
HCM Lane V/C Ratio	0.01	-	-	-	0.069
HCM Control Delay (s)	8.5	-	-	-	17.5
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0	-	-	-	0.2

HCM 6th Signalized Intersection Summary
 1: Loveridge Road & Pittsburg-Antioch Highway

Pittsburg H Cycle
 Existing Plus Project AM



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	127	151	165	192	41	94	191	178	23	100	11
Future Volume (veh/h)	15	127	151	165	192	41	94	191	178	23	100	11
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	17	141	34	183	213	0	104	212	134	26	111	6
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	36	318	270	236	527		156	326	216	304	584	31
Arrive On Green	0.02	0.17	0.17	0.13	0.28	0.00	0.20	0.20	0.20	0.17	0.17	0.17
Sat Flow, veh/h	1767	1856	1572	1767	1856	1572	778	1626	1075	1767	3403	183
Grp Volume(v), veh/h	17	141	34	183	213	0	243	0	207	26	57	60
Grp Sat Flow(s),veh/h/ln	1767	1856	1572	1767	1856	1572	1817	0	1662	1767	1763	1823
Q Serve(g_s), s	0.6	4.0	1.1	5.8	5.4	0.0	7.2	0.0	6.6	0.7	1.6	1.6
Cycle Q Clear(g_c), s	0.6	4.0	1.1	5.8	5.4	0.0	7.2	0.0	6.6	0.7	1.6	1.6
Prop In Lane	1.00		1.00	1.00		1.00	0.43		0.65	1.00		0.10
Lane Grp Cap(c), veh/h	36	318	270	236	527		364	0	333	304	303	313
V/C Ratio(X)	0.47	0.44	0.13	0.78	0.40		0.67	0.00	0.62	0.09	0.19	0.19
Avail Cap(c_a), veh/h	182	1425	1207	616	1708		861	0	788	1032	1029	1064
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.2	21.6	20.4	24.4	16.9	0.0	21.5	0.0	21.3	20.3	20.6	20.6
Incr Delay (d2), s/veh	9.0	1.0	0.2	5.5	0.5	0.0	2.1	0.0	1.9	0.1	0.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	1.6	0.4	2.4	1.9	0.0	3.0	0.0	2.5	0.3	0.6	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	37.2	22.6	20.6	29.9	17.4	0.0	23.6	0.0	23.1	20.4	20.9	20.9
LnGrp LOS	D	C	C	C	B		C	A	C	C	C	C
Approach Vol, veh/h		192			396	A		450			143	
Approach Delay, s/veh		23.5			23.1			23.4			20.8	
Approach LOS		C			C			C			C	
Timer - Assigned Phs		2	3	4		6	7	8				
Phs Duration (G+Y+Rc), s		16.4	12.5	14.7		14.7	5.9	21.2				
Change Period (Y+Rc), s		* 4.7	* 4.7	* 4.7		4.7	* 4.7	* 4.7				
Max Green Setting (Gmax), s		* 28	* 20	* 45		34.0	* 6	* 54				
Max Q Clear Time (g_c+I1), s		9.2	7.8	6.0		3.6	2.6	7.4				
Green Ext Time (p_c), s		2.5	0.4	0.8		0.6	0.0	1.1				

Intersection Summary

HCM 6th Ctrl Delay	23.0
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Intersection						
Int Delay, s/veh	0.7					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↘	↑	↑	↗	↘	↘
Traffic Vol, veh/h	15	313	385	26	18	13
Future Vol, veh/h	15	313	385	26	18	13
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	500	-	-	0	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	17	348	428	29	20	14

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	457	0	-	0	810 428
Stage 1	-	-	-	-	428 -
Stage 2	-	-	-	-	382 -
Critical Hdwy	4.13	-	-	-	6.43 6.23
Critical Hdwy Stg 1	-	-	-	-	5.43 -
Critical Hdwy Stg 2	-	-	-	-	5.43 -
Follow-up Hdwy	2.227	-	-	-	3.527 3.327
Pot Cap-1 Maneuver	1099	-	-	-	348 625
Stage 1	-	-	-	-	655 -
Stage 2	-	-	-	-	688 -
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1099	-	-	-	343 625
Mov Cap-2 Maneuver	-	-	-	-	343 -
Stage 1	-	-	-	-	645 -
Stage 2	-	-	-	-	688 -

Approach	EB	WB	SB
HCM Control Delay, s	0.4	0	14.3
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1099	-	-	-	423
HCM Lane V/C Ratio	0.015	-	-	-	0.081
HCM Control Delay (s)	8.3	-	-	-	14.3
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.3

HCM 6th Signalized Intersection Summary
 1: Loveridge Road & Pittsburg-Antioch Highway

Pittsburg H Cycle
 Existing Plus Project PM



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑	↗	↖	↑	↗		↕		↖	↗	
Traffic Volume (veh/h)	10	243	195	282	193	21	173	98	292	48	219	22
Future Volume (veh/h)	10	243	195	282	193	21	173	98	292	48	219	22
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	11	261	51	303	208	0	186	105	183	52	235	18
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	24	352	298	354	698		258	149	272	252	473	36
Arrive On Green	0.01	0.19	0.19	0.20	0.38	0.00	0.20	0.20	0.20	0.14	0.14	0.14
Sat Flow, veh/h	1767	1856	1570	1767	1856	1572	1293	746	1362	1767	3320	253
Grp Volume(v), veh/h	11	261	51	303	208	0	258	0	216	52	124	129
Grp Sat Flow(s),veh/h/ln	1767	1856	1570	1767	1856	1572	1791	0	1610	1767	1763	1810
Q Serve(g_s), s	0.4	9.3	1.9	11.6	5.5	0.0	9.4	0.0	8.7	1.8	4.6	4.6
Cycle Q Clear(g_c), s	0.4	9.3	1.9	11.6	5.5	0.0	9.4	0.0	8.7	1.8	4.6	4.6
Prop In Lane	1.00		1.00	1.00		1.00	0.72		0.85	1.00		0.14
Lane Grp Cap(c), veh/h	24	352	298	354	698		357	0	321	252	251	258
V/C Ratio(X)	0.45	0.74	0.17	0.86	0.30		0.72	0.00	0.67	0.21	0.49	0.50
Avail Cap(c_a), veh/h	151	1182	1000	511	1417		704	0	633	856	854	877
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.3	26.8	23.8	27.1	15.4	0.0	26.3	0.0	26.0	26.6	27.7	27.8
Incr Delay (d2), s/veh	12.6	3.1	0.3	9.5	0.2	0.0	2.7	0.0	2.5	0.4	1.5	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	4.0	0.7	5.3	2.0	0.0	4.0	0.0	3.3	0.7	1.9	2.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	46.9	29.9	24.1	36.6	15.6	0.0	29.0	0.0	28.4	27.0	29.2	29.3
LnGrp LOS	D	C	C	D	B		C	A	C	C	C	C
Approach Vol, veh/h		323			511	A		474			305	
Approach Delay, s/veh		29.6			28.0			28.7			28.9	
Approach LOS		C			C			C			C	
Timer - Assigned Phs		2	3	4		6	7	8				
Phs Duration (G+Y+Rc), s		18.7	18.8	18.0		14.7	5.7	31.1				
Change Period (Y+Rc), s		* 4.7	* 4.7	* 4.7		4.7	* 4.7	* 4.7				
Max Green Setting (Gmax), s		* 28	* 20	* 45		34.0	* 6	* 54				
Max Q Clear Time (g_c+I1), s		11.4	13.6	11.3		6.6	2.4	7.5				
Green Ext Time (p_c), s		2.6	0.5	1.6		1.5	0.0	1.1				

Intersection Summary

HCM 6th Ctrl Delay	28.7
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Intersection						
Int Delay, s/veh	0.8					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	12	571	481	18	25	15
Future Vol, veh/h	12	571	481	18	25	15
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	500	-	-	0	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	13	614	517	19	27	16
























Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	536	0	-	0	1157
Stage 1	-	-	-	-	517
Stage 2	-	-	-	-	640
Critical Hdwy	4.13	-	-	-	6.43
Critical Hdwy Stg 1	-	-	-	-	5.43
Critical Hdwy Stg 2	-	-	-	-	5.43
Follow-up Hdwy	2.227	-	-	-	3.527
Pot Cap-1 Maneuver	1027	-	-	-	216
Stage 1	-	-	-	-	596
Stage 2	-	-	-	-	523
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	1027	-	-	-	213
Mov Cap-2 Maneuver	-	-	-	-	213
Stage 1	-	-	-	-	588
Stage 2	-	-	-	-	523

Approach	EB	WB	SB
HCM Control Delay, s	0.2	0	20.4
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1027	-	-	-	277
HCM Lane V/C Ratio	0.013	-	-	-	0.155
HCM Control Delay (s)	8.6	-	-	-	20.4
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0	-	-	-	0.5

HCM 6th Signalized Intersection Summary
 1: Loveridge Road & Pittsburg-Antioch Highway

Pittsburg H Cycle
 Cumulative AM

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	160	380	380	490	50	200	200	210	30	100	20
Future Volume (veh/h)	20	160	380	380	490	50	200	200	210	30	100	20
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	22	178	91	422	544	0	222	222	191	33	111	9
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	43	247	209	456	680		282	293	264	225	420	34
Arrive On Green	0.02	0.13	0.13	0.26	0.37	0.00	0.24	0.24	0.24	0.13	0.13	0.13
Sat Flow, veh/h	1767	1856	1572	1767	1856	1572	1161	1208	1088	1767	3305	265
Grp Volume(v), veh/h	22	178	91	422	544	0	344	0	291	33	59	61
Grp Sat Flow(s),veh/h/ln	1767	1856	1572	1767	1856	1572	1797	0	1660	1767	1763	1808
Q Serve(g_s), s	1.0	7.2	4.2	18.3	20.7	0.0	14.1	0.0	12.7	1.3	2.4	2.4
Cycle Q Clear(g_c), s	1.0	7.2	4.2	18.3	20.7	0.0	14.1	0.0	12.7	1.3	2.4	2.4
Prop In Lane	1.00		1.00	1.00		1.00	0.65		0.66	1.00		0.15
Lane Grp Cap(c), veh/h	43	247	209	456	680		436	0	403	225	224	230
V/C Ratio(X)	0.51	0.72	0.44	0.93	0.80		0.79	0.00	0.72	0.15	0.26	0.27
Avail Cap(c_a), veh/h	135	1055	894	456	1265		631	0	582	764	762	782
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	37.9	32.7	31.4	28.4	22.3	0.0	27.9	0.0	27.3	30.5	31.0	31.0
Incr Delay (d2), s/veh	9.2	4.0	1.4	24.8	2.2	0.0	4.2	0.0	2.5	0.3	0.6	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	3.3	1.6	10.0	8.2	0.0	6.2	0.0	5.0	0.5	1.0	1.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	47.1	36.7	32.8	53.2	24.5	0.0	32.1	0.0	29.8	30.8	31.6	31.6
LnGrp LOS	D	D	C	D	C		C	A	C	C	C	C
Approach Vol, veh/h		291			966	A		635			153	
Approach Delay, s/veh		36.3			37.1			31.0			31.4	
Approach LOS		D			D			C			C	
Timer - Assigned Phs		2	3	4		6	7	8				
Phs Duration (G+Y+Rc), s		23.8	25.0	15.1		14.7	6.6	33.5				
Change Period (Y+Rc), s		* 4.7	* 4.7	* 4.7		4.7	* 4.7	* 4.7				
Max Green Setting (Gmax), s		* 28	* 20	* 45		34.0	* 6	* 54				
Max Q Clear Time (g_c+I1), s		16.1	20.3	9.2		4.4	3.0	22.7				
Green Ext Time (p_c), s		3.0	0.0	1.2		0.7	0.0	3.3				
Intersection Summary												
HCM 6th Ctrl Delay			34.7									
HCM 6th LOS			C									
Notes												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												
Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.												

Intersection						
Int Delay, s/veh	0.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↘	↑	↑	↗	↘	
Traffic Vol, veh/h	10	390	910	10	10	10
Future Vol, veh/h	10	390	910	10	10	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	500	-	-	0	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	11	433	1011	11	11	11

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	1022	0	-	0	1466 1011
Stage 1	-	-	-	-	1011 -
Stage 2	-	-	-	-	455 -
Critical Hdwy	4.13	-	-	-	6.43 6.23
Critical Hdwy Stg 1	-	-	-	-	5.43 -
Critical Hdwy Stg 2	-	-	-	-	5.43 -
Follow-up Hdwy	2.227	-	-	-	3.527 3.327
Pot Cap-1 Maneuver	675	-	-	-	140 289
Stage 1	-	-	-	-	350 -
Stage 2	-	-	-	-	637 -
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	675	-	-	-	138 289
Mov Cap-2 Maneuver	-	-	-	-	138 -
Stage 1	-	-	-	-	344 -
Stage 2	-	-	-	-	637 -

Approach	EB	WB	SB
HCM Control Delay, s	0.3	0	26.8
HCM LOS			D

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	675	-	-	-	187
HCM Lane V/C Ratio	0.016	-	-	-	0.119
HCM Control Delay (s)	10.4	-	-	-	26.8
HCM Lane LOS	B	-	-	-	D
HCM 95th %tile Q(veh)	0.1	-	-	-	0.4

HCM 6th Signalized Intersection Summary
 1: Loveridge Road & Pittsburg-Antioch Highway

Pittsburg H Cycle
 Cumulative PM



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑	↗	↖	↑	↗		↕		↖	↗	
Traffic Volume (veh/h)	10	460	200	280	200	30	200	110	490	60	240	30
Future Volume (veh/h)	10	460	200	280	200	30	200	110	490	60	240	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	11	495	118	301	215	0	215	118	338	65	258	24
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	23	555	470	325	872		275	151	372	194	359	33
Arrive On Green	0.01	0.30	0.30	0.18	0.47	0.00	0.24	0.24	0.24	0.11	0.11	0.11
Sat Flow, veh/h	1767	1856	1571	1767	1856	1572	1161	637	1572	1767	3263	301
Grp Volume(v), veh/h	11	495	118	301	215	0	333	0	338	65	138	144
Grp Sat Flow(s),veh/h/ln	1767	1856	1571	1767	1856	1572	1798	0	1572	1767	1763	1801
Q Serve(g_s), s	0.7	28.1	6.3	18.5	7.7	0.0	19.2	0.0	23.1	3.8	8.4	8.5
Cycle Q Clear(g_c), s	0.7	28.1	6.3	18.5	7.7	0.0	19.2	0.0	23.1	3.8	8.4	8.5
Prop In Lane	1.00		1.00	1.00		1.00	0.65		1.00	1.00		0.17
Lane Grp Cap(c), veh/h	23	555	470	325	872		425	0	372	194	194	198
V/C Ratio(X)	0.48	0.89	0.25	0.93	0.25		0.78	0.00	0.91	0.33	0.71	0.72
Avail Cap(c_a), veh/h	96	752	636	325	901		450	0	393	544	543	555
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	54.1	37.0	29.3	44.3	17.5	0.0	39.5	0.0	41.0	45.4	47.4	47.5
Incr Delay (d2), s/veh	14.7	10.3	0.3	31.5	0.1	0.0	8.3	0.0	23.7	1.0	4.8	5.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	13.7	2.3	10.5	3.1	0.0	9.3	0.0	11.2	1.7	3.9	4.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	68.8	47.3	29.6	75.7	17.7	0.0	47.8	0.0	64.7	46.4	52.3	52.5
LnGrp LOS	E	D	C	E	B		D	A	E	D	D	D
Approach Vol, veh/h		624			516	A		671			347	
Approach Delay, s/veh		44.3			51.5			56.3			51.2	
Approach LOS		D			D			E			D	
Timer - Assigned Phs		2	3	4		6	7	8				
Phs Duration (G+Y+Rc), s		30.8	25.0	37.7		16.8	6.1	56.6				
Change Period (Y+Rc), s		* 4.7	* 4.7	* 4.7		4.7	* 4.7	* 4.7				
Max Green Setting (Gmax), s		* 28	* 20	* 45		34.0	* 6	* 54				
Max Q Clear Time (g_c+I1), s		25.1	20.5	30.1		10.5	2.7	9.7				
Green Ext Time (p_c), s		1.1	0.0	2.8		1.6	0.0	1.1				

Intersection Summary

HCM 6th Ctrl Delay	50.9
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Intersection						
Int Delay, s/veh	0.4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	10	1000	500	10	10	10
Future Vol, veh/h	10	1000	500	10	10	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	500	-	-	0	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	11	1075	538	11	11	11

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	549	0	-	0	1635 538
Stage 1	-	-	-	-	538 -
Stage 2	-	-	-	-	1097 -
Critical Hdwy	4.13	-	-	-	6.43 6.23
Critical Hdwy Stg 1	-	-	-	-	5.43 -
Critical Hdwy Stg 2	-	-	-	-	5.43 -
Follow-up Hdwy	2.227	-	-	-	3.527 3.327
Pot Cap-1 Maneuver	1016	-	-	-	110 541
Stage 1	-	-	-	-	583 -
Stage 2	-	-	-	-	318 -
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1016	-	-	-	109 541
Mov Cap-2 Maneuver	-	-	-	-	109 -
Stage 1	-	-	-	-	577 -
Stage 2	-	-	-	-	318 -

Approach	EB	WB	SB
HCM Control Delay, s	0.1	0	27.6
HCM LOS			D

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1016	-	-	-	181
HCM Lane V/C Ratio	0.011	-	-	-	0.119
HCM Control Delay (s)	8.6	-	-	-	27.6
HCM Lane LOS	A	-	-	-	D
HCM 95th %tile Q(veh)	0	-	-	-	0.4

HCM 6th Signalized Intersection Summary
 1: Loveridge Road & Pittsburg-Antioch Highway

Pittsburg H Cycle
 Cumulative Plus Project AM



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑	↗	↖	↑	↗		↕		↖	↗	
Traffic Volume (veh/h)	20	160	380	383	490	50	200	200	215	30	100	20
Future Volume (veh/h)	20	160	380	383	490	50	200	200	215	30	100	20
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	22	178	91	426	544	0	222	222	195	33	111	9
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	43	246	209	455	679		281	292	269	224	420	34
Arrive On Green	0.02	0.13	0.13	0.26	0.37	0.00	0.24	0.24	0.24	0.13	0.13	0.13
Sat Flow, veh/h	1767	1856	1572	1767	1856	1572	1153	1198	1103	1767	3305	265
Grp Volume(v), veh/h	22	178	91	426	544	0	346	0	293	33	59	61
Grp Sat Flow(s),veh/h/ln	1767	1856	1572	1767	1856	1572	1798	0	1657	1767	1763	1808
Q Serve(g_s), s	1.0	7.2	4.2	18.6	20.7	0.0	14.2	0.0	12.8	1.3	2.4	2.4
Cycle Q Clear(g_c), s	1.0	7.2	4.2	18.6	20.7	0.0	14.2	0.0	12.8	1.3	2.4	2.4
Prop In Lane	1.00		1.00	1.00		1.00	0.64		0.67	1.00		0.15
Lane Grp Cap(c), veh/h	43	246	209	455	679		439	0	404	224	224	229
V/C Ratio(X)	0.51	0.72	0.44	0.94	0.80		0.79	0.00	0.72	0.15	0.26	0.27
Avail Cap(c_a), veh/h	135	1053	892	455	1262		630	0	580	763	761	780
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.0	32.8	31.4	28.6	22.4	0.0	27.9	0.0	27.3	30.6	31.1	31.1
Incr Delay (d2), s/veh	9.2	4.0	1.4	26.8	2.2	0.0	4.3	0.0	2.6	0.3	0.6	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	3.3	1.6	10.4	8.2	0.0	6.3	0.0	5.1	0.5	1.0	1.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	47.2	36.8	32.9	55.4	24.6	0.0	32.2	0.0	29.9	30.9	31.7	31.7
LnGrp LOS	D	D	C	E	C		C	A	C	C	C	C
Approach Vol, veh/h		291			970	A		639				153
Approach Delay, s/veh		36.3			38.2			31.1				31.5
Approach LOS		D			D			C				C
Timer - Assigned Phs		2	3	4		6	7	8				
Phs Duration (G+Y+Rc), s		23.9	25.0	15.2		14.7	6.6	33.6				
Change Period (Y+Rc), s		* 4.7	* 4.7	* 4.7		4.7	* 4.7	* 4.7				
Max Green Setting (Gmax), s		* 28	* 20	* 45		34.0	* 6	* 54				
Max Q Clear Time (g_c+I1), s		16.2	20.6	9.2		4.4	3.0	22.7				
Green Ext Time (p_c), s		3.0	0.0	1.2		0.7	0.0	3.3				

Intersection Summary

HCM 6th Ctrl Delay	35.2
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
 Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Intersection						
Int Delay, s/veh	0.8					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	15	390	910	26	18	13
Future Vol, veh/h	15	390	910	26	18	13
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	500	-	-	0	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	17	433	1011	29	20	14

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	1040	0	-	0	1478 1011
Stage 1	-	-	-	-	1011 -
Stage 2	-	-	-	-	467 -
Critical Hdwy	4.13	-	-	-	6.43 6.23
Critical Hdwy Stg 1	-	-	-	-	5.43 -
Critical Hdwy Stg 2	-	-	-	-	5.43 -
Follow-up Hdwy	2.227	-	-	-	3.527 3.327
Pot Cap-1 Maneuver	665	-	-	-	138 289
Stage 1	-	-	-	-	350 -
Stage 2	-	-	-	-	629 -
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	665	-	-	-	134 289
Mov Cap-2 Maneuver	-	-	-	-	134 -
Stage 1	-	-	-	-	341 -
Stage 2	-	-	-	-	629 -

Approach	EB	WB	SB
HCM Control Delay, s	0.4	0	30.9
HCM LOS			D

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	665	-	-	-	173
HCM Lane V/C Ratio	0.025	-	-	-	0.199
HCM Control Delay (s)	10.6	-	-	-	30.9
HCM Lane LOS	B	-	-	-	D
HCM 95th %tile Q(veh)	0.1	-	-	-	0.7

HCM 6th Signalized Intersection Summary
 1: Loveridge Road & Pittsburg-Antioch Highway

Pittsburg H Cycle
 Cumulative Plus Project PM



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↑	↗	↖	↑	↗		↕		↖	↗	
Traffic Volume (veh/h)	10	460	200	285	200	30	200	110	492	60	240	30
Future Volume (veh/h)	10	460	200	285	200	30	200	110	492	60	240	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	11	495	118	306	215	0	215	118	339	65	258	24
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	23	555	470	325	872		275	151	373	194	359	33
Arrive On Green	0.01	0.30	0.30	0.18	0.47	0.00	0.24	0.24	0.24	0.11	0.11	0.11
Sat Flow, veh/h	1767	1856	1571	1767	1856	1572	1161	637	1572	1767	3263	301
Grp Volume(v), veh/h	11	495	118	306	215	0	333	0	339	65	138	144
Grp Sat Flow(s),veh/h/ln	1767	1856	1571	1767	1856	1572	1798	0	1572	1767	1763	1801
Q Serve(g_s), s	0.7	28.2	6.3	18.9	7.7	0.0	19.2	0.0	23.2	3.8	8.4	8.5
Cycle Q Clear(g_c), s	0.7	28.2	6.3	18.9	7.7	0.0	19.2	0.0	23.2	3.8	8.4	8.5
Prop In Lane	1.00		1.00	1.00		1.00	0.65		1.00	1.00		0.17
Lane Grp Cap(c), veh/h	23	555	470	325	872		426	0	373	194	194	198
V/C Ratio(X)	0.48	0.89	0.25	0.94	0.25		0.78	0.00	0.91	0.33	0.71	0.72
Avail Cap(c_a), veh/h	96	751	636	325	901		449	0	393	544	543	555
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	54.1	37.0	29.3	44.5	17.6	0.0	39.5	0.0	41.0	45.4	47.5	47.5
Incr Delay (d2), s/veh	14.7	10.3	0.3	35.0	0.1	0.0	8.3	0.0	24.0	1.0	4.8	5.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	13.7	2.3	11.0	3.1	0.0	9.3	0.0	11.2	1.7	3.9	4.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	68.9	47.3	29.6	79.5	17.7	0.0	47.7	0.0	65.0	46.4	52.3	52.5
LnGrp LOS	E	D	C	E	B		D	A	E	D	D	D
Approach Vol, veh/h		624			521	A		672			347	
Approach Delay, s/veh		44.4			54.0			56.4			51.3	
Approach LOS		D			D			E			D	
Timer - Assigned Phs		2	3	4		6	7	8				
Phs Duration (G+Y+Rc), s		30.9	25.0	37.7		16.8	6.1	56.6				
Change Period (Y+Rc), s		* 4.7	* 4.7	* 4.7		4.7	* 4.7	* 4.7				
Max Green Setting (Gmax), s		* 28	* 20	* 45		34.0	* 6	* 54				
Max Q Clear Time (g_c+I1), s		25.2	20.9	30.2		10.5	2.7	9.7				
Green Ext Time (p_c), s		1.0	0.0	2.8		1.6	0.0	1.1				
Intersection Summary												
HCM 6th Ctrl Delay			51.5									
HCM 6th LOS			D									
Notes												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												
Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.												

Intersection						
Int Delay, s/veh	1					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	12	1000	500	18	25	15
Future Vol, veh/h	12	1000	500	18	25	15
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	500	-	-	0	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	13	1075	538	19	27	16

Major/Minor	Major1	Major2	Minor2		
Conflicting Flow All	557	0	-	0	1639 538
Stage 1	-	-	-	-	538 -
Stage 2	-	-	-	-	1101 -
Critical Hdwy	4.13	-	-	-	6.43 6.23
Critical Hdwy Stg 1	-	-	-	-	5.43 -
Critical Hdwy Stg 2	-	-	-	-	5.43 -
Follow-up Hdwy	2.227	-	-	-	3.527 3.327
Pot Cap-1 Maneuver	1009	-	-	-	110 541
Stage 1	-	-	-	-	583 -
Stage 2	-	-	-	-	317 -
Platoon blocked, %		-	-	-	
Mov Cap-1 Maneuver	1009	-	-	-	109 541
Mov Cap-2 Maneuver	-	-	-	-	109 -
Stage 1	-	-	-	-	575 -
Stage 2	-	-	-	-	317 -

Approach	EB	WB	SB
HCM Control Delay, s	0.1	0	36.6
HCM LOS			E

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1009	-	-	-	156
HCM Lane V/C Ratio	0.013	-	-	-	0.276
HCM Control Delay (s)	8.6	-	-	-	36.6
HCM Lane LOS	A	-	-	-	E
HCM 95th %tile Q(veh)	0	-	-	-	1.1

**Appendix D:
Biological Technical Memorandum (D.1)
Wetlands Waterbody Delineation Report (D.2)**

Biological Technical Memorandum

To: H Cycle

From: TRC Companies

Subject: Desktop Review and Site Biological Reconnaissance Survey, Pittsburg, CA

Date: October 12, 2023

Project No.: 557647.0000

Enclosures: Attachment 1 – Representative Photos
Attachment 2 - Federal and State Sensitive Species identified as Potentially Occurring in The Study Area

1.0 Introduction

TRC conducted a special-status species and sensitive habitats assessment for H Cycle, LLC (H Cycle). H Cycle proposes to construct a new renewable hydrogen production facility (Project) in Pittsburg, California. The Project is located in the City of Pittsburg, Contra Costa County, California. Pittsburg is an industrial suburb located south of Suisun Bay in the San Francisco Bay Area's East Bay region. The Project is located within Township 2 North, Range 1 East, Section 3. The Project encompasses approximately 24.8 acres of an inactive industrial facility (Figure 1).

This assessment evaluates the proposed Project and surrounding environs for the possible presence of special-status species and sensitive habitats subject to federal or state jurisdiction. Measures are identified in this memorandum to avoid potential impacts to sensitive biological resources. The Study Area for this habitat assessment includes the Project plus a 150-foot buffer around the Project.

2.0 Methods

2.1.1 Desktop Review

Prior to the biological field survey, publicly available natural resources data sets containing relevant information for the project vicinity were reviewed and a list of potential special-status species identified for the project vicinity was compiled. Special-status species and sensitive habitats include:

- federal and state-listed endangered and threatened species,
- federal designated critical habitats
- state designated sensitive natural communities,
- federal and state candidates for listing,
- species proposed for listing,



- state species of special concern,
- species protected under other regulations (e.g., the Migratory Bird Treaty Act),
- species listed as rare or endangered by the California Native Plant Society, and
- species that receive special consideration during environmental review under the California Environmental Quality Act (CEQA).

The list of species and habitats was compiled using the following sources:

- California Natural Diversity Database (CNDDDB; CDFW 2023),
- United States Fish & Wildlife Service (USFWS) Information for Planning and Consultation (IPaC; USFWS 2023), and
- California Native Plant Society (CNPS 2023).

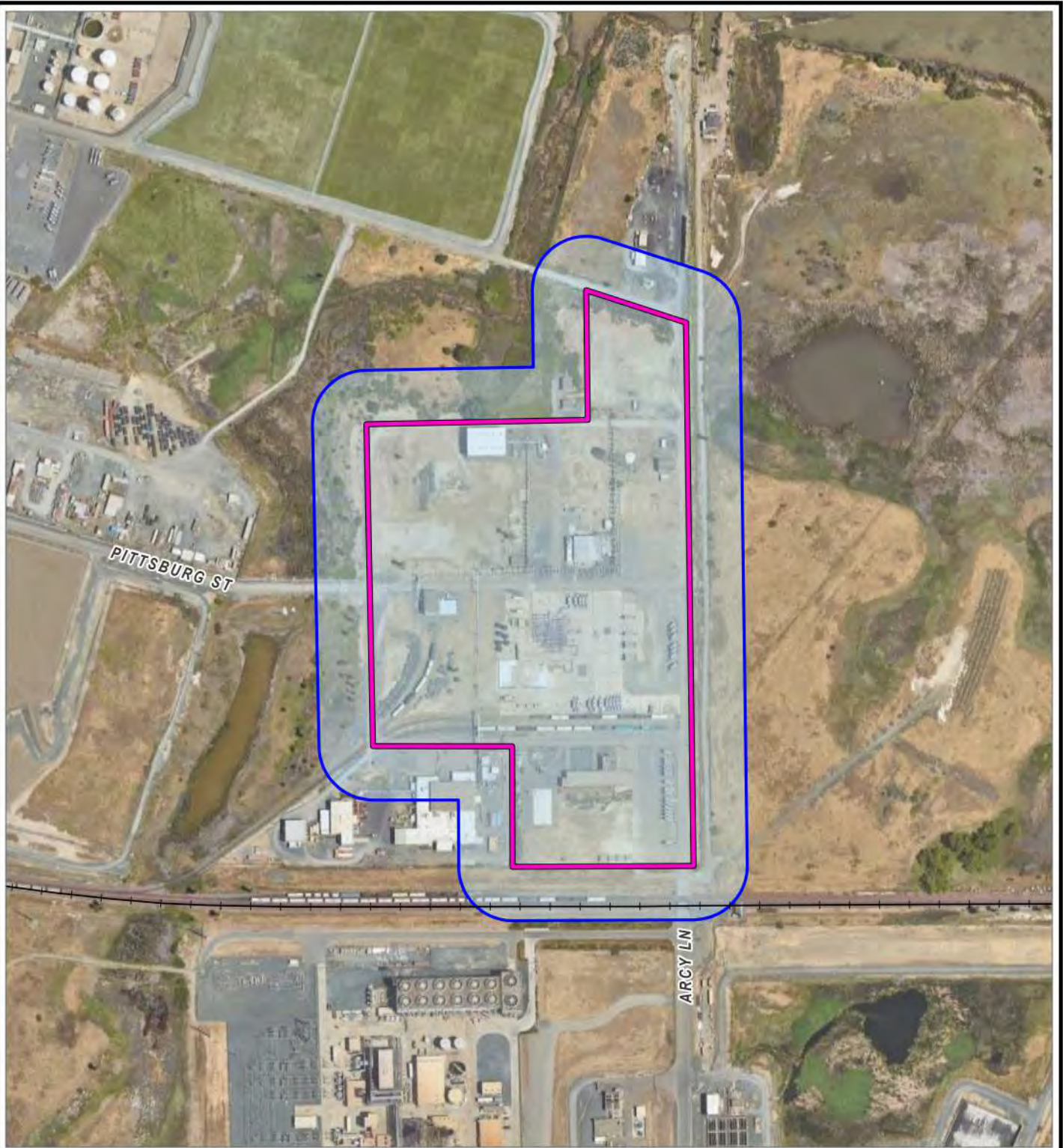
2.1.2 Field Survey




The field survey is a pedestrian site reconnaissance of the Study Area and surrounding environment. It is a rapid assessment to identify and characterize Study Area habitats and to document species and/or species indicators observed to be present at the time of field survey. The field survey is used to determine the Study Area's potential to support special-status species and sensitive habitats.

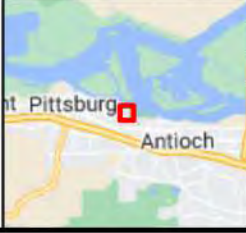
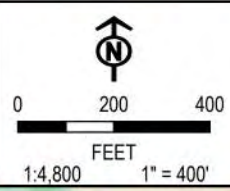



Figure 1 Study Area Overview Map

COORDINATE SYSTEM: NAD 1983 UTM ZONE 10N; MAP ROTATION: 0
 - SAVED BY: SRAY ON: 10/4/2023, 17:01:04 PM; FILE PATH: V:\H-CYCLE\557647_PITTSBURG\APPROX\CORTEVA BIO AND WETLANDS REPORT\APRX_LAYOUT_NAME-FIG 1 BIO REPORT OVERVIEW



-  BNSF RAILWAY
-  150' STUDY AREA
-  PROPOSED PROJECT AREA



PROJECT:		H-CYCLE RENEWABLE HYDROGEN PRODUCTION PROJECT	
TITLE:		BIO REPORT OVERVIEW FIGURE	
DRAWN BY:	S. RAY	PROJ. NO.:	557647.0000.0000
CHECKED BY:	B. KIDDER	FIGURE 1	
APPROVED BY:	E. BERGQUIST		
DATE:	OCTOBER 2023		
		6 EXECUTIVE CIRCLE SUITE 200 IRVINE, CA 92614 PHONE: 949.727.9336	
FILE:		CORTEVA BIO AND WETLANDS REPORT	

BASE MAP: GOOGLE EARTH AND THEIR DATA PARTNERS
 DATA SOURCES: TRC, RAILROADS: CALIFORNIA OPENDATA PORTAL,
 OPENSTREETMAP



3.0 Results

3.1 Desktop Review

The desktop review of publicly available natural resources data sets identified 47 species with potential to occur in the vicinity of the project site. Attachment 2 summarizes the special-status species identified with potential to occur in the project vicinity along with their listing status, habitat association, and field survey results. The Project is located within an area designated by the USFWS as critical habitat for the delta smelt.

3.2 Field Survey

The Study Area included the Project plus a 150-foot buffer of surrounding habitats. TRC Biologist Tanessa Hartwig performed a field survey on August 25, 2023. The survey was conducted between 7:00 a.m. and 1:30 p.m. on foot using binoculars for identification of birds and wildlife beyond clear view by the unaided eye. Weather conditions consisted of mostly clear skies, a light breeze, and temperatures between 64 and 82° F.

The proposed Project site is an inactive industrial facility with rail yard constructed on historically placed fill material. The site is developed with gravel, unpaved, and impervious work areas, rail unloading sidings, industrial process equipment, paved vehicle staging and storage lots, and office structures present. Maintained gravel and dirt access roads are present on site. Industrial stormwater containment and treatment controls are not present allowing untreated stormwater or uncontained process waters to exit the site into the adjacent upland and wetland habitats.

The Project site is flat and appears to be built on historically placed fill material above the elevation of the surrounding estuarine wetlands (Google Earth Pro 2023). The surrounding landscape is flat with elevations in and adjacent to the Study Area of approximately 10 to 25 feet above mean sea level. Surrounding land use includes developed industrial lands to the south and west of the Project. The New York Slough, Corteva Wetlands Preserve, and Kirker Creek/Dowest Slough are estuarine wetlands immediately adjacent to the north, east, and west of the Project.

Noise and disturbance levels were low to moderate with anthropogenic noise from the railroad and industrial facilities to the south and west.

Vegetation Communities

The Project is located within the Level III region of Central California Foothills and Coastal Mountains and Level IV Ecoregion of Suisun Terraces and Low Hills (USGS 2016). The Central California Foothills and Coastal Mountains ecoregion is characterized as having a Mediterranean climate of hot dry summers and cool moist winters. The vegetation associated with this ecoregion is primarily chaparral and oak woodlands. Suisun Terraces and Low Hills ecoregion occurs on mostly Quaternary alluvium, surrounding Suisun Bay, upland from the lower part of the Delta (US EPA 2016).



Vegetation within the Study Area is primarily ruderal weeds and invasive species that include alkali mallow (*Malvella leprosa*), bristly ox-tongue* (*Helminthotheca echioides*), Canada horseweed (*Erigeron canadensis*), fivehorn smotherweed* (*Bassia hyssopifolia*) sea fig* (*Carpobrotus chilensis*), stinkwort* (*Dittrichia graveolens*), telegraph weed (*Heterotheca grandiflora*), and Mexican fan palm* (*Washingtonia robusta*). Coyote brush (*Baccharis pilularis*) was also observed within the project site. Non-native plants are marked with an asterisk.

A combination of native and non-native vegetation is located along and just outside of the Study Area's northern border. Native shrubs and trees include coast live oak (*Quercus agrifolia*) and coyote brush. Non-native shrubs and herbs include Himalayan blackberry* (*Rubus armeniacus*), short podded mustard* (*Hirschfeldia incana*), and perennial pepperweed* (*Lepidium latifolium*).

Off-site estuarine wetlands are present within Study Area to the north, east, and west of the Project. Since they were mostly behind fenced areas, these wetlands were observed mostly with binoculars. Off-site wetlands were comprised primarily of cattails (*Typha* sp.), common reed (*Phragmites* sp.), and bulrushes (*Schoenoplectus* sp.). At the edges of the wetlands, black willow (*Salix goodingii*), perennial pepperweed*, salt grass (*Distichlis spicata*), and alkali mallow (*Malvella leprosa*) were observed, among other native and non-native species.

Wildlife Observations

Wildlife observations within the survey area and vicinity included California harvester ant (*Pogonomyrmex californicus*), common green darner (*Anus junius*), American crow (*Corvus brachyrhynchos*), Anna's hummingbird (*Calypte anna*), California scrub jay (*Aphelocoma californica*), great egret (*Ardea alba*), killdeer (*Charadrius vociferus*), mourning dove (*Zenaida macroura*), turkey vulture (*Cathartes aura*), and wild turkey (*Meleagris gallopavo*). Non-native species observed included Eurasian collared dove* (*Streptopelia decaocto*), European starling* (*Sturnus vulgaris*), and a possible nutria* (*Myocastor coypus*) that had been predated or scavenged by a coyote (*Canis latrans*), based on scat found nearby.

Other evidence of wildlife presence observed during the field survey included small animal burrows, bird nests, and owl pellets (Attachment 1). The small animal burrow entrances measured approximately 2 inches diameter in a crushed gravel surface and approximately 4-5 inches diameter in loose soils next to work area concrete slab. The burrows may continue and possibly under the work area concrete slab. Two abandoned buildings within the Project showed signs of avian use. One building contained an old passerine nest. The second building contained numerous barn owl pellets that appeared to be one to two years old, based on pellet aging guidelines (Barn Owl Trust 2023).

3.2.1.1 Sensitive Species and Habitats

No special-status species were observed during the August 25, 2023 field survey.

The Site is located within the USFWS Designated Critical Habitat for delta smelt (Federally Threatened, State Endangered), an anadromous fish endemic to the upper reaches of the San Francisco Bay-Delta Estuary. There is suitable estuarine wetland and slough habitat for delta smelt and longfin smelt (State Threatened) adjacent to the Project. The species are known to inhabit tidally influenced sloughs and edgewater.



Wetland-Associated Special-Status Species

The adjacent wetlands and waterbodies provide potential habitat to wetland-associated species in and immediately adjacent to the Study Area. The wetlands could potentially be habitat for federally and state listed species that occur in marshes, brackish marshes and wetlands. Federally listed species that have an unlikely to low potential of occurring in these wetlands include soft salty bird's-beak (*Chloropyron molle* ssp. *molle*), giant garter snake (*Thamnophis gigas*), salt marsh harvest mouse (*Reithrodontomys raviventris*), San Joaquin kit fox (*Vulpes macrotis mutica*) and California Ridgeway's rail (*Rallus longirostris obsoletus*). State listed species with a low potential to occur in this area include longfin smelt (*Spirinchus thaleichthys*). CNPS and CNDDB species with low potential to occur in the Study Area include Bolander's water hemlock (*Cicuta maculata* var. *bolanderi*), Delta mudwort (*Limosella australis*), Delta tule pea (*Lathyrus jepsonii* var. *jepsonii*), Mason's lilaopsis (*Lilaeopsis masonii*), small spikerush (*Eleocharis parvula*), and Suisun Marsh aster (*Symphotrichum lentum*). A determination of potential for occurrence of the wetland-related species is summarized in Attachment 2.

Western Pond Turtle (Federally Proposed Threatened, State Species of Special Concern)

Western pond turtle is known to occur within 0.5 mile east and west of the Study Area. Wetlands adjacent to the Project provide suitable wetland habitat, and upland areas adjacent to and within the Project provide suitable habitat for nesting and estivation.

Migratory Birds

Potential nesting habitat for protected migratory bird species occurs in the on-site structures, dirt and gravel surfaces, scattered trees and shrubs throughout the Study Area, and the neighboring undeveloped estuarine habitats. Special-status migratory bird species having a potential to occur or nest in the Study Area are summarized in Attachment 2.

Burrowing Owl (State Species of Special Concern)

There is a low potential for burrowing owl to nest in open, dry ruderal habitat present in the Study Area, including the identified burrow sites within the industrialized but inactive Project. Presence of California ground squirrel was not confirmed within the Study Area, however several small mammal burrows were observed in the Study Area. Although a few burrows were potentially large enough for burrowing owl (4.5 inches), no burrows showed signs of use by burrowing owl (e.g., pellets, decorations, white wash, and so on). One small mammal burrow, determined inactive based on the presence of cobwebs across the entrance hole, was observed within the Project (Attachment 1, Photo 7). The grassland was viewed only through binoculars; however the vegetation was dense and tall. There are burrowing owl observations on the broader landscape with the nearest reported hotspot occurring approximately 2.7 miles south in the Black Diamond Mines Regional Preserve (eBird 2023).

White-tailed Kite (California Fully Protected Species)

There are multiple white-tailed kite observations in the Study Area vicinity with the nearest reported hotspot occurring approximately 1 mile southwest within Los Medanos Lake (eBird 2023). The scattered open-grown trees within and adjacent to the Study Area provide a low potential for white-tailed kites to nest in them.



Suisun Song Sparrow (Species of Special Concern)

Suisun Song Sparrow is known to occur in many marshes in the Suisun Bay (Shuford and Gardali 2008), and have been observed within 0.5 mile of the Study Area. Potential habitat occurs in the wetlands east and west of the Project.

3.2.2 Conclusions and Recommendations

Based on the field investigation, the developed but inactive industrial Project site would be well-suited for the Project to avoid and minimize the impacts to special status species from the construction and operation of a renewable hydrogen processing facility. The following habitats were identified within or adjacent to the Study Area that could result in the need for consultation, approval, or permit:

- Trees, shrubs, and other vegetation within and adjacent to the Study Area may contain active bird nests during nesting season.
- There is a low potential of burrowing owl nesting or foraging activity within the Study Area.
- There is a low potential for white-tailed kite nesting activity in the few trees adjacent to the Study Area.
- There is a moderate potential for western pond turtle activity in the adjacent wetlands and ruderal and natural upland areas with uncompacted soils within the Study Area. Because most soils within the Project are compacted over paved, the potential for pond turtle activity within the Project is low. If the Project provides fencing and/or biological monitors during periods of likely pond turtle movement, the Project's effects on pond turtles would be negligible. May through July typically captures the pond turtle nesting season; however, consultation with CDFW is recommended to determine local seasonal movements, including overland movements for estivation. Alternatively, surveys could be conducted to confirm presence of pond turtle in the vicinity.
- The estuarine wetlands and waters within and adjacent to the Study Area could provide habitat for aquatic associated special-status species. If no ground disturbing activities would occur that directly impact wetlands or waters, then the Project would avoid direct impacts to aquatic associated species. Construction related indirect impacts (air quality, water quality, noise, etc.) would be avoided using pollution prevention best management practices as required by local and state regulations. Operations related impacts would be minimized or avoided through project engineering design, operations environmental management plans and procedures, and best management practices. Based on these anticipated criteria, the Project's effects on aquatic and wetland-associated species would likely be negligible.

If no ground-disturbing activities in or adjacent to mapped wetlands or waterbodies will occur and industrial stormwater controls and BMPs are implemented, a letter requesting concurrence with the finding that federally listed species may be affected but are not likely to be adversely affected by the Project may be submitted to the USFWS. If adjacent areas may be disturbed by



the Project, TRC recommends that presence-absence surveys be conducted by a qualified biologist according to USFWS or CDFW-accepted protocols.

The federal Migratory Bird Treaty Act protects migratory birds and their eggs and nests from hunting, capturing, killing or other taking, and the California Fish and Game Code and AB 454 prohibit these actions even if incidental to otherwise lawful activities. Therefore, compliance with existing laws protecting migratory birds and raptors would protect nesting birds. TRC recommends that a pre-construction survey for active bird nests, including Suisun song sparrow, burrowing owl, and white-tailed kite, be conducted in the area surrounding the development by a qualified biologist if construction, including staging, is to begin during nesting season (February 1 to August 31), and before work is re-initiated during nesting season if work has been discontinued for more than 14 days. Pre-construction surveys should include abandoned structures. If an active nest is identified in proximity to the work area, recommendations of a qualified biologist should be implemented following CDFW guidance to ensure compliance with applicable laws.

4.0 REFERENCES

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Attachment 1 – Representative Photos


**Appendix B
Photo Log**

Photo 1: Example of ruderal areas on Project Site – looking north



Photo 2: Dowest Slough/Kirker Creek – looking northeast (Photo Date 8/25/2023)



Project No.	Photographs Taken By:	Page No.	Client:	Project Name	
557647	Tanessa Hartwig	1 of 3	H-Cycle	Renewable Hydrogen Production Project	


Appendix B
Photo Log

Photo 3: Non-jurisdictional ditch – looking north (Photo Date 8/25/2023)



Photo 4: Site overview – looking southwest (Photo Date 8/25/2023)



Project No.	Photographs Taken By:	Page No.	Client:	Project Name	
557647	Tanessa Hartwig	2 of 3	H-Cycle	Renewable Hydrogen Production Project	


Appendix B
Photo Log

Photo 5: View of Corteva Wetlands – looking northeast (Photo Date 8/25/2023)



Photo 6: Site overview – looking south (Photo Date 8/25/2023)



Project No.	Photographs Taken By:	Page No.	Client:	Project Name	
557647	Tanessa Hartwig	3 of 3	H-Cycle	Renewable Hydrogen Production Project	


Appendix B
Photo Log

Photo 7: Inactive California ground squirrel (*Ostospermophilus beecheyi*) burrow in Project Area, looking southwest



Photo 8: Predated/Scavenged rodent (possible nutria [*Myocastor coypus*])



Project No.	Photographs Taken By:	Page No.	Client:	Project Name	
557647	Tanessa Hartwig	4 of 3	H-Cycle	Renewable Hydrogen Production Project	


Appendix B
Photo Log

Photo 9: Mammal burrow with coyote scat outside the burrow entrance, located in Project adjacent habitat.



Photo 10: Harvester ants



Project No.	Photographs Taken By:	Page No.	Client:	Project Name	
557647	Tanessa Hartwig	5 of 3	H-Cycle	Renewable Hydrogen Production Project	

Appendix B
Photo Log

Photo 11: Small burrow in soils near the Project.



Photo 12: Site overview through north central section of the Project existing conditions.




Appendix B
Photo Log

Photo 13: Site overview of northeast section of Project existing conditions.




Photo 14: View of adjacent habitat east of the Project.



Project No.	Photographs Taken By:	Page No.	Client:	Project Name	
557647	Tanessa Hartwig	7 of 3	H-Cycle	Renewable Hydrogen Production Project	

Appendix B
Photo Log

Project No.	Photographs Taken By:	Page No.	Client:	Project Name	
557647	Tanessa Hartwig	8 of 3	H-Cycle	Renewable Hydrogen Production Project	



Attachment 2 – Federal and State Sensitive Species identified as Potentially Occurring in The Study Area



Federal and State Sensitive Species identified as Potentially Occurring in The Study Area

Species Name	Status ¹	Habitat Requirements	Potential for Occurrence
Plants			
Abrams' lupine, <i>Lupinus albifrons</i> var. <i>abramsii</i>	CNPS/3.2	Broad-leafed upland forest, Chaparral, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Alkali milk-vetch, <i>Astragalus tener</i> var. <i>tener</i>	CNPS/1B.2	Playas, Valley and foothill grassland, Vernal pools	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Antioch Dunes buckwheat, <i>Eriogonum nudum</i> var. <i>psychicola</i>	CNPS/1B.1	Inland dunes	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Antioch Dunes evening-primrose, <i>Oenothera deltoides</i> ssp. <i>howellii</i>	CNPS/1B.1, FE, CE	Inland dunes	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Bearded popcornflower, <i>Plagiobothrys hystriculus</i>	CNPS/1B.1	Valley and foothill grassland, Vernal pools	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Big tarplant, <i>Blepharizonia plumosa</i>	CNPS/1B.1, CNDDB	Valley and foothill grassland	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Bolander's water-hemlock, <i>Cicuta maculata</i> var. <i>bolanderi</i>	CNPS/2B.1, CNDDB	Marshes and swamps	Low: No suitable habitat for this species exists on the proposed development; however habitat does exist on adjacent land. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project.
Colusa grass, <i>Neostapfia colusana</i>	FT	Vernal pools	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Contra Costa goldfields, <i>Lasthenia conjugens</i>	CNPS/1B.1, FE	Cismontane woodland, Playas, Valley and foothill grassland, Vernal pools	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.



Species Name	Status ¹	Habitat Requirements	Potential for Occurrence
Contra Costa wallflower, <i>Erysimum capitatum</i> var. <i>angustatum</i>	CNPS/1B.1, FE, CE	Inland dunes	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Crownscale, <i>Atriplex coronata</i> var. <i>coronata</i>	CNPS/4.2	Inhabits chenopod scrub, valley and foothill grassland, and vernal pools.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Delta mudwort, <i>Limosella australis</i>	CNPS/2B.1, CNDDDB	Inhabits marshes, swamps, and riparian scrub.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project.
Delta tule pea, <i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	CNPS/1B.2, CNDDDB	Grows in marshes and swamps.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project.
Diamond-petaled California poppy, <i>Eschscholzia rhombipetala</i>	CNPS/1B.1	Found in valley and foothill grassland.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Dwarf downingia, <i>Downingia pusilla</i>	CNPS/2B.2	Found in valley and foothill grassland and vernal pools.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Fragrant fritillary, <i>Fritillaria liliacea</i>	CNPS/1B.2	Grows in cismontane woodland, Coastal prairie, Coastal scrub, and Valley and foothill grassland.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Hogwallow starfish, <i>Hesperervax caulescens</i>	CNPS/4.2	Inhabits valley and foothill grassland, and vernal pools.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Hoover's cryptantha, <i>Cryptantha hooveri</i>	CNPS/1A	Inhabits inland dunes and Valley and foothill grassland.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Keck's checkerbloom, <i>Sidalcea keckii</i>	CNPS/1B.1, FE	Grows in cismontane woodland and Valley and foothill grassland	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.



Species Name	Status ¹	Habitat Requirements	Potential for Occurrence
Mason's lilaepsis, <i>Lilaeopsis masonii</i>	CNPS/1B.1, CR	Found in marshes, swamps, and riparian scrub.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project.
Mt. Diablo buckwheat, <i>Eriogonum truncatum</i>	CNPS/1B.1	Grows in chaparral, Coastal scrub, and Valley and foothill grassland.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
San Joaquin spearscale, <i>Extriplex joaquinana</i>	CNPS/1B.2	Inhabits chenopod scrub, Meadows and seeps, Playas, and Valley and foothill grassland.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Small spikerush, <i>Eleocharis parvula</i>	CNPS/4.3	Found in marshes and swamps.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project.
Small-flowered morning- glory, <i>Convolvulus simulans</i>	CNPS/4.2	Grows in chaparral, Coastal scrub, and Valley and foothill grassland.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Soft salty bird's-beak, <i>Chloropyron molle ssp.</i> <i>molle</i>	CNPS/1B.2, FE, CR	Found in marshes and swamps.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project.
Stinkbells, <i>Fritillaria agrestis</i>	CNPS/4.2	Grows in chaparral, Cismontane woodland, Pinyon and juniper woodland, and Valley and foothill grassland.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Suisun Marsh aster, <i>Symphyotrichum lentum</i>	CNPS/1B.2, CNDDDB	Found in marshes and swamps.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project.
Sweet marsh ragwort, <i>Senecio hydrophiloides</i>	CNPS/4.2	Found in lower montane coniferous forest, and Meadows and seeps.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Invertebrates			



Species Name	Status ¹	Habitat Requirements	Potential for Occurrence
California linderiella, <i>Linderiella occidentalis</i>	CNDDB	Occurs in vernal pool habitats in the Central Valley of California.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Delta green ground beetle, <i>Elaphrus viridis</i>	FT	Occurs in vernal pool habitats	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Lange's metalmark butterfly, <i>Apodemia mormo langei</i>	FE	Inhabits stabilized dunes along the San Joaquin River.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
vernal pool fairy shrimp, <i>Branchinecta lynchi</i>	FT	Endemic to the grasslands of the central valley, central coast mountains, and south coast mountains, in astatic rain-filled pools.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
vernal pool tadpole shrimp, <i>Lepidurus packardii</i>	FE	Inhabits vernal pools and swales in the Sacramento valley containing clear to highly turbid water.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Fish			
Delta smelt, <i>Hypomesus transpacificus</i>	CE, FT	Tidally influenced areas of the Sacramento-San Joaquin Delta.	Moderate: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project.
Longfin smelt, <i>Spirinchus thaleichthys</i>	CT	Found in the open water of freshwater and saltwater estuaries.	Moderate: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project.
Amphibians			



Species Name	Status ¹	Habitat Requirements	Potential for Occurrence
California red-legged frog, <i>Rana draytonii</i>	CDFG, FT	Associated with quiet perennial to intermittent freshwater ponds, stream pools and wetlands. Prefers shorelines with extensive vegetation; may disperse through upland habitats after rains.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
California tiger salamander, <i>Ambystoma californiense</i>	FT	Lowland species restricted to annual grasslands and foothill oak savanna and woodland regions where its breeding habitat occurs. Breeding habitat consists of temporary ponds or pools, some permanent waters, and rarely slower portions of streams.	None: No suitable habitat for this species exists on the proposed development areas or adjacent land.
Reptiles			
Giant garter snake, <i>Thamnophis gigas</i>	CT, FT	Prefers freshwater wetland and low gradient streams. This species has adapted to drainage canals and irrigation ditches.	Low: Wetlands mapped in the Study Area provide potential habitat. Has occurred along the San Joaquin River within 3 miles east of the Project. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the Project.



Species Name	Status ¹	Habitat Requirements	Potential for Occurrence
Northern California legless lizard, <i>Anniella pulchra</i>	CNDDDB	Inhabits sparsely vegetated areas of beach dunes, chaparral, pine-oak woodlands, desert scrub, sandy washes, and stream terraces with sycamores, cottonwoods, or oaks.	Low: According to CNDDDB, species occurred in Study Area historically (1940's) and is presumed extant. However, very little suitable habitat for this species exists on the proposed development area.
Western pond turtle, <i>Emys marmorata</i>	CNDDDB	Prefers rivers, creeks, small lakes and ponds, marshes, irrigation ditches, and reservoirs.	Moderate: Wetlands mapped in the Study Area provide potential habitat. According to the CNDDDB, the species has been observed within about 0.5 mile downstream and upstream of the Project. If present, pond turtles may use uncompacted soils and organic litter adjacent to the Project for nesting or estivation, including the site's uncompacted fill soils observed around the Project edge.
Mammals			
Salt marsh harvest mouse, <i>Reithrodontomys raviventris</i>	FE, CE	Prefers salt and brackish marshes.	Unlikely: Wetlands mapped in the Study Area may provide potential habitat, however species prefers pickleweed marshes. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project.



Species Name	Status ¹	Habitat Requirements	Potential for Occurrence
San Joaquin kit fox, <i>Vulpes macrotis mutica</i>	FE	Prefers open habitat such as grasslands, scrublands, and meadows.	Unlikely: Nearest CNDDB record is almost 3 miles to the south. Species can use small remnants of habitat within urban development; however extensive burrow systems of the right size (> 7 inches) were not observed.
Birds			
Burrowing owl, <i>Athene cunicularia</i>	CNDDB	Breeds in grasslands, rangelands, agricultural areas, deserts, vacant lots in urban areas, or any other open, dry area with low vegetation.	Low: Most soils are compacted or paved within the Project; however some pre-existing burrows exist in Study Area. Ground squirrels were not observed during the field survey. The nearest CNDDB record is within 1 mile, but species may be extirpated. More recent occurrences within about 2 miles have been recorded in eBird (eBird 2023)
California Ridgeway's rail, <i>Rallus obsoletus obsoletus</i> [<i>R. longirostris obsoletus</i>]	FE	Breeds in clumps of vegetation or in shrubs in tidal salt and brackish marshes.	Low: Wetlands mapped in the Study Area provide potential habitat. If industrial stormwater controls and BMPs put in place, this species would not be affected by the Project. Nearest CNDDB record is 8 miles west.
California least tern, <i>Sterna antillarum browni</i>	FE	Nests on the ground in beaches, mudflats, and sand dunes, usually near shallow estuaries and lagoons with access to the near open ocean.	None: No suitable nesting habitat for this species exists on the proposed development areas or adjacent land.
Suisun song sparrow, <i>Melospiza melodia maxillaris</i>	CNDDB	Nests in tidal salt and brackish marshes.	Moderate: Wetlands mapped in the Study Area provide potential habitat. Nearest CNDDB record is within 0.5 mile. If industrial stormwater controls and BMPs are put in place, this species would not be affected by the Project.
White-tailed kite, <i>Elanus leucurus</i>	CFP	Nests in open-country trees growing in isolation, or at the edge of or within a forest.	Low: There are a few potential nest trees along the edges of the study area. No nests were observed in any of the trees.



Status:

F = Federal; **C** = California; **CFP** = California Fully Protected Species; **T** = Threatened; **E** = Endangered;

R = Rare; **C** = Candidate; **CNPS** = California Native Plant Society RPR 1–4;

CDFG = California Department of Fish and Game Species of Concern;

CNDDDB = tracked by CNDDDB, but no formal status



Wetland and Waterbody Delineation Report

October 6, 2023

Renewable Hydrogen Production Project

Prepared for:

HC (Contra Costa)
Concord, CA

Prepared by:

TRC
Fort Collins, CO



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Acronyms and Abbreviations

Notation	Definition
CDFW	California Department of Fish and Wildlife
CWA	Clean Water Act
FAC	Facultative Wetland Plant
FEMA	Federal Emergency Management Agency
FIRM	FEMA Flood Insurance Rate Maps
GPS	Global Positioning System
MLRA	Major Land Resource Area
NHD	National Hydrography Dataset
NOAA	National Oceanic and Atmospheric Administration
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
OHWM	Ordinary high-water mark
Project	H Cycle LLC's Renewable Hydrogen Production Project
Project Area	Location of H Cycle LLC's Renewable Hydrogen Production Project
RWQCB	California Regional Water Quality Control Board
TRC	TRC Environmental Corporation
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
WETS	Climate Analysis for Wetlands Tables
WOTUS	Waters of the U.S.

1.0 Introduction

TRC Environmental Corporation (TRC) conducted a wetland and waterbody delineation for HC (Contra Costa), LLC (HC [Contra Costa]) for a potential new renewable hydrogen production facility in Pittsburg, California, referred to herein as the Renewable Hydrogen Production Project (Project). A wetlands and waterbodies investigation was conducted on August 25, 2023 by Tanessa Hartwig.

The objective of the wetland and waterbody investigation was to identify and delineate the spatial extent and location of wetlands, streams, and other aquatic resources within the Project Area (Figure 1). Aquatic resources that are considered Waters of the U.S. are subject to regulation under Section 404 of the Clean Water Act (CWA). The jurisdictional regulatory authority of these resources is the U.S. Army Corps of Engineers (USACE) San Francisco District (San Francisco Regulatory Office) and the San Francisco Bay (2) Regional Water Quality Control Board. In addition to the federal authority, project actions that have the potential to alter or impact wetlands, waters, and/or riparian zones in the state of California must also comply with California Fish and Game Code Rule 1602.

This report summarizes the:

- desktop analyses performed prior to the field survey,
- results of the wetland and waterbody field investigation, and
- provides TRC's professional opinion on the expected jurisdictional status of any delineated features in the Project Area.

1.1 Project Location

The Project is located in the City of Pittsburg, Contra Costa County, California. Pittsburg is an industrial area located south of Suisun Bay in the San Francisco Bay Area's East Bay region. The Project is located within Township 2 North, Range 1 East, Section 3. The Project Area encompasses approximately 24 acres of an inactive industrial facility (Figure 1, Appendix A).

2.0 Regulatory Background

Waters of the U.S. (WOTUS) are protected under Section 404 of the CWA. Any activity that involves the discharge of dredged or fill material into Waters of the U.S. is subject to regulation by the USACE. WOTUS are defined to encompass navigable waterways; interstate waters; all other waters where their use, degradation, or destruction could affect interstate or foreign commerce; tributaries of any of these waters; and wetlands that meet any of these criteria or are adjacent to any of these waters or their tributaries. Wetlands and waters were identified and delineated pursuant to the EPA definition for WOTUS in effect at the time of the field investigation (August 25, 2023). On August 29, 2023, the EPA revised the definition of WOTUS based on the U.S. Supreme Court ruling in the *Sackett v. Environmental Protection Agency*. Results of the field investigation as they pertain to the August 29, 2023 revised WOTUS rule will be discussed in the Results below.

The California Regional Water Quality Control Board (RWQCB) regulates activities that could degrade water quality including stormwater discharges from construction, industrial, and municipal activities, dredge and fill activities, and the CWA Section 401 certification program. A CWA Section 401 Water Quality Certification is required for dredged or fill material into Waters

of the U.S. All waters within the State of California are subject to State jurisdiction and the RWQCB can, and typically does, require a State permit for dredge or fill in State waters if they do not otherwise have authority under the federal CWA Section 401. Waters of the State are defined as

any surface water or groundwater, including saline waters, within the boundaries of the state. Waters of the state includes all waters of the U.S. The following wetlands are waters of the state:

1. *Natural wetlands,*
2. *Wetlands created by modification of a surface water of the state, and*
3. *artificial wetlands that meet any of the following criteria:*
 - a. *Approved by an agency as compensatory mitigation for impacts to other waters of the state, except where the approving agency explicitly identifies the mitigation as being of limited duration;*
 - b. *Specifically identified in a water quality control plan as a wetland or other water of the state;*
 - c. *Resulted from historic human activity, is not subject to ongoing operation and maintenance, and has become a relatively permanent part of the natural landscape; or*
 - d. *Greater than or equal to one acre in size, unless the artificial wetland was constructed, and is currently used and maintained, primarily for one or more of the following purposes (i.e., the following artificial wetlands are not waters of the state unless they also satisfy the criteria set forth in 2, 3a, or 3b):*
 - i. *Industrial or municipal wastewater treatment or disposal,*
 - ii. *Settling of sediment,*
 - iii. *Detention, retention, infiltration, or treatment of stormwater runoff and other pollutants or runoff subject to regulation under a municipal, construction, or industrial stormwater permitting program,*
 - iv. *Treatment of surface waters,*
 - v. *Agricultural crop irrigation or stock watering,*
 - vi. *Fire suppression,*
 - vii. *Industrial processing or cooling,*
 - viii. *Active surface mining – even if the site is managed for interim wetlands functions and values*

California Fish and Game Code Section 1602 requires any person, state, or local governmental agency or public utility to notify the California Department of Fish and Wildlife (CDFW) before beginning any activity that will do one or more of the following: (1) substantially obstruct or divert the natural flow of a river, stream, or lake; (2) substantially change or use any material from the bed, channel, or bank of a river, stream, or lake; or (3) deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it can pass into a river,

stream, or lake. CDFW's regulatory authority extends to include riparian habitat (including wetlands) supported by a river, stream, or lake regardless of the presence or absence of hydric soils and saturated soil conditions. Impacts that meet the requirements listed above for CDFW regulation would require permitting through CDFW.

3.0 Survey Methods

3.1 Desktop Review

Prior to conducting the field investigation, TRC reviewed the following sources publicly available natural resources datasets:

- U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) digital wetland mapping portal (USFWS 2023),
- U.S. Geological Survey (USGS) National Hydrography Dataset (NHD) digital waterway mapping portal (USGS 2023),
- U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey (USDA NRCS 2023),
- USGS digital 7.5-minute topographic quadrangle map for Antioch North, 38121-A7 (USGS 1978),
- FEMA Flood Insurance Rate Maps (FIRM) 06013C0138G and 06013C0139G (FEMA 2015)
- Google Earth current and historic aerial imagery (Google 2023)

TRC screened aerial and historic imagery, ranging from 1939-2023, for indicators of hydrologic activity and saturation (wetness signatures) which could indicate the presence of unmapped wetlands (Google Earth Pro 2023). In addition, TRC reviewed precipitation data from approximately 90 days prior to the field investigations using data obtained from a nearby weather stations (Concord Buchanan Field, California). Antecedent precipitation data were compared with the 30-year average precipitation data from the same location to determine if hydrologic conditions at the time of the field investigation were normal, wetter, or drier than normal (NOAA 2022).

3.2 Wetlands

The wetland delineation and determination was conducted in accordance with the *United States Corps of Engineers Wetlands Delineation Manual Technical Report Y-87-1* (USACE 1987), the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region Version 2.0* (USACE 2008), and relevant guidance documents (USACE 1991a, b; 1992).

On-site wetland determinations were made using the three criteria (vegetation, soil, and hydrology) and technical approach defined in the Regional Supplement. According to the procedures described therein, areas that, under normal circumstances, reflect a predominance of hydrophytic vegetation, hydric soils, and wetland hydrology (e.g., inundated or saturated soils) are considered wetlands. The geospatial boundary of each wetland was mapped using a Global Positioning System (GPS)-enabled tablet. Each wetland feature was assigned a unique feature identification number with a "W" prefix. A Wetland Determination Data Form was completed for each wetland and its associated upland data point. Upland data points were

assigned a unique feature ID number with a “U” prefix. Representative photos were taken of all identified features.

Wetlands and waters were identified and delineated pursuant to the EPA definition for WOTUS in effect at the time of the field investigation (August 25, 2023). The USACE criteria for determining regulatory jurisdiction of wetlands and waters was revised on August 29, 2023. The revisions for wetlands evaluate its physical connection to a jurisdictional water but remove the significant nexus criteria. Wetlands identified as having no downstream connection to jurisdictional waters are deemed non-jurisdictional by the USACE. Wetlands may still be jurisdictional and regulated by the State of California under California Fish and Game Code Rule 1602. Aerial imagery was used to supplement field observations for the determination of downstream connectivity where public access was not available outside the Project Area.

For NWI-identified features where wetland indicators were absent, sample plots and/or representative photos were taken. These areas are classified as uplands.

3.3 Waterbodies

Based on the USACE’s *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States* (Lichvar and McColley 2008), delineated waterbodies were identified by the presence of bed, bank, and/or other OHWM indicators. Common identifiable indicators of an OHWM include open water or evidence of a clear, natural line visible on the bank; shelving; changes in soil characteristics; disturbance to, or lack of, terrestrial vegetation; presence of litter and debris; and watermarks indicative of inundation during high water conditions. The OHWM typically represents the potential limits of USACE jurisdiction.

The geospatial boundary of each waterbody was mapped using a GPS-enabled tablet. Each waterbody feature was assigned a unique feature identification number with an “S” prefix. An Arid West Ephemeral and Intermittent Stream OHWM Datasheet was completed for each feature. Representative photos were taken of all identified features.

For NWI- and NHD-identified stream features where OHWM indicators were absent, photo points and representative photos were taken. These areas are classified as uplands.

4.0 Results

Desktop review and field survey results are presented in the following discussion.

4.1 Precipitation

The National Oceanic and Atmospheric Administration (NOAA) Agricultural Applied Climate Information System was used to obtain historical and antecedent rainfall data for the USDA NRCS Climate Analysis for Wetlands (WETS) Tables and NOAA Regional Climate Centers. Historical rainfall records from the Concord Buchanan Field, California weather station were used to determine the normality of rainfall prior to and during the field survey. Normality of precipitation was evaluated using the Direct Antecedent Rainfall Evaluation Method (Table 1; NOAA 2022). The region of Contra Costa County was determined to be drier than normal for the August 2023 field survey.

Table 1. Rainfall Summary for Contra Costa County

Prior Month		WETS Rainfall Percentile (inches)		Evaluation Month: August 2023			
		30 th	70 th	Measured Rainfall (inches)	Condition ^a	Month Weight ^b	Score ^c
Three months prior to August 25th, 2023, Survey Date							
1 st	July	0.00	0.00	0.00	1	3	3
2 nd	June	0.00	0.04	0.01*	1	2	2
3 rd	May	0.10	0.34	0.46	3	1	3
Sum				0.47			8
Description ^d		Dry					

^a Condition values are 1 for < 30th percentile, 2 for between 30th and 70th percentiles, and 3 for > 70th percentile.

^b Month Weight is 3 for the most recent month, 2 for the prior month, and so on.

^c Score is the product of the Condition and Month Weight values.

^d Drier than normal (sum of score = 6-9), normal (sum of score = 10-14), wetter than normal (sum of score = 15-18).

*These months had trace amounts of precipitation.

Source: NOAA 2022, NOAA 2023; Site: Concord Buchanan Field, California.

4.2 Land Use and Vegetation

The Project Area is located on privately owned land in the industrial zone of the City of Pittsburg. The property is built out with an inactive industrial facility and rail yard. Surrounding land use includes developed industrial lands to the south and west of the Project Area. The New York Slough, Corteva Wetlands Preserve, and Kirker Creek/Dowest Slough are estuarine wetlands present immediately adjacent to the north, east, and west of the Project Area.

The Project Area is developed with gravel and impervious work areas, rail unloading sidings, industrial process equipment, paved vehicle staging and storage lots, and office structures. Above-ground industrial stormwater containment and treatment controls are not observably present.

Vegetation within the Project Area is primarily ruderal weeds and invasive species that include alkali mallow (*Malvella leprosa*), bristly ox-tongue* (*Helminthotheca echioides*), Canada horseweed (*Erigeron canadensis*), fivehorn smotherweed* (*Bassia hyssopifolia*) sea fig* (*Carpobrotus chilensis*), stinkwort* (*Dittrichia graveolens*), telegraph weed (*Heterotheca grandiflora*), and Mexican fan palm* (*Washingtonia robusta*). Coyote brush (*Baccharis pilularis*) was also observed within the project site. A combination of native and non-native vegetation is located along the Site's north border, just outside of the project area. Native shrubs and trees include coast live oak (*Quercus agrifolia*) and coyote brush. Non-native shrubs and herbs include Himalayan blackberry* (*Rubus armeniacus*), short podded mustard* (*Hirschfeldia*

incana) and perennial pepperweed* (*Lepidium latifolium*). Non-native plants are marked with an asterisk.

The topography of the Project Area is flat and appears to be built on fill material above the elevation of the surrounding estuarine wetlands (Google Earth Pro 2023). The elevation of the Project Area is approximately 10 to 25 feet above mean sea level. The Project Area is located within the Level III region of Central California Foothills and Coastal Mountains and Level IV Ecoregion of Suisun Terraces and Low Hills (USGS 2016). The Central California Foothills and Coastal Mountains ecoregion is characterized as having a Mediterranean climate of hot dry summers and cool moist winters. The vegetation associated with this ecoregion is primarily chaparral and oak woodlands. Suisun Terraces and Low Hills ecoregion occurs on mostly Quaternary alluvium, surrounding Suisun Bay, upland from the lower part of the Delta (USGS 2016).

4.3 Soils

According to the NRCS Soil Survey map, three mapped soil units are located within the Project Area (Table 2; Figure 3, Appendix A). The National Technical Committee for Hydric Soils defines hydric soils as “a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part.” The major and minor components of a soil map unit are classified as to how likely they are to be hydric and are rated on a range from hydric to nonhydric. The Joice muck soil series is classified as hydric and not prime farmland. The remaining soils are classified as nonhydric and prime farmland if irrigated.

Table 2. Mapped Soils in the Project Area

Map Unit Symbol	Soil Series Name	Drainage Class	Prime Farmland	Hydric Rating	% of Project Area
Cc	Clear Lake clay, 0 to 15 percent slopes, MLRA* 15	Poorly drained	Prime farmland if irrigated	No*	43
Ja	Joice muck, MLRA 16	Very poorly drained	Not prime farmland	Yes	4
RbC	Rincon clay loam, 2 to 9 percent slopes, MLRA 14	Well drained	Prime farmland if irrigated	No	53

*MLRA: Major Land Resource Area

4.4 Wetlands and Waterbodies

4.4.1 Desktop Analysis

According to the NWI and NHD data sets, no wetlands or waters occur within the Project Area. The NWI maps estuarine wetlands immediately adjacent to the north, east, and west of the

Project Area (Figure 2, Appendix A; USFWS 2023; USGS 2023). A review of Google Earth aerial imagery shows the estuarine wetlands as well as Kirker Creek / Dowest Slough watercourse (Google Earth Pro 2023).

4.4.2 Wetlands

The field survey found no wetlands in the Project Area. Off-site estuarine wetlands are present within 150 feet to the north, east, and west of the Project Area. One sample plot was completed in a low-lying depression within the Project Area to confirm the presence/absence of the three wetland criteria in the depression (Appendix A, Figure 4). The plot did not have hydrophytic vegetation or hydric soil and was determined to not be a wetland. Representative photos are included in Appendix B. Representative photo locations are shown in Appendix A, Figure 4.

4.4.3 Waterbodies

Field surveys identified no jurisdictional watercourses within the Project Area (Appendix A, Figure 4). The field survey identified Kirker Creek and Dowest Slough immediately west of the Project Area. Representative photos are included in Appendix B.

A non-jurisdictional ditch was observed on the southeast side of the Project Site. The ditch was concave in form and seemed to drain water from both the north and south into a culverted area. No OHWM, bed and bank, change in soil characteristics, or other physical indicators were observed within the ditch. Some perennial pepperweed (Facultative Wetland Plant [FAC]) was observed in the lower elevations of the ditch.

5.0 Conclusions and Recommendations

A wetland and waterbody field investigation was conducted on August 25th, 2023. This region of Contra Costa County was calculated to have received below normal precipitation for the three months prior to the field survey. Potential impacts to on-site and off-site identified wetlands and waterbodies will be evaluated during the Project design and permitting phase.

Based on field observations, no wetlands or waterbodies were identified within the Project Area. As such, the Project is not anticipated to be subject to U.S. Clean Water Act Section 404 regulation. A consultation with the San Francisco Bay Regional Water Quality Control Board and CDFW is recommended to determine state jurisdiction and permitting requirements for the adjacent off-site wetlands and waterbodies.

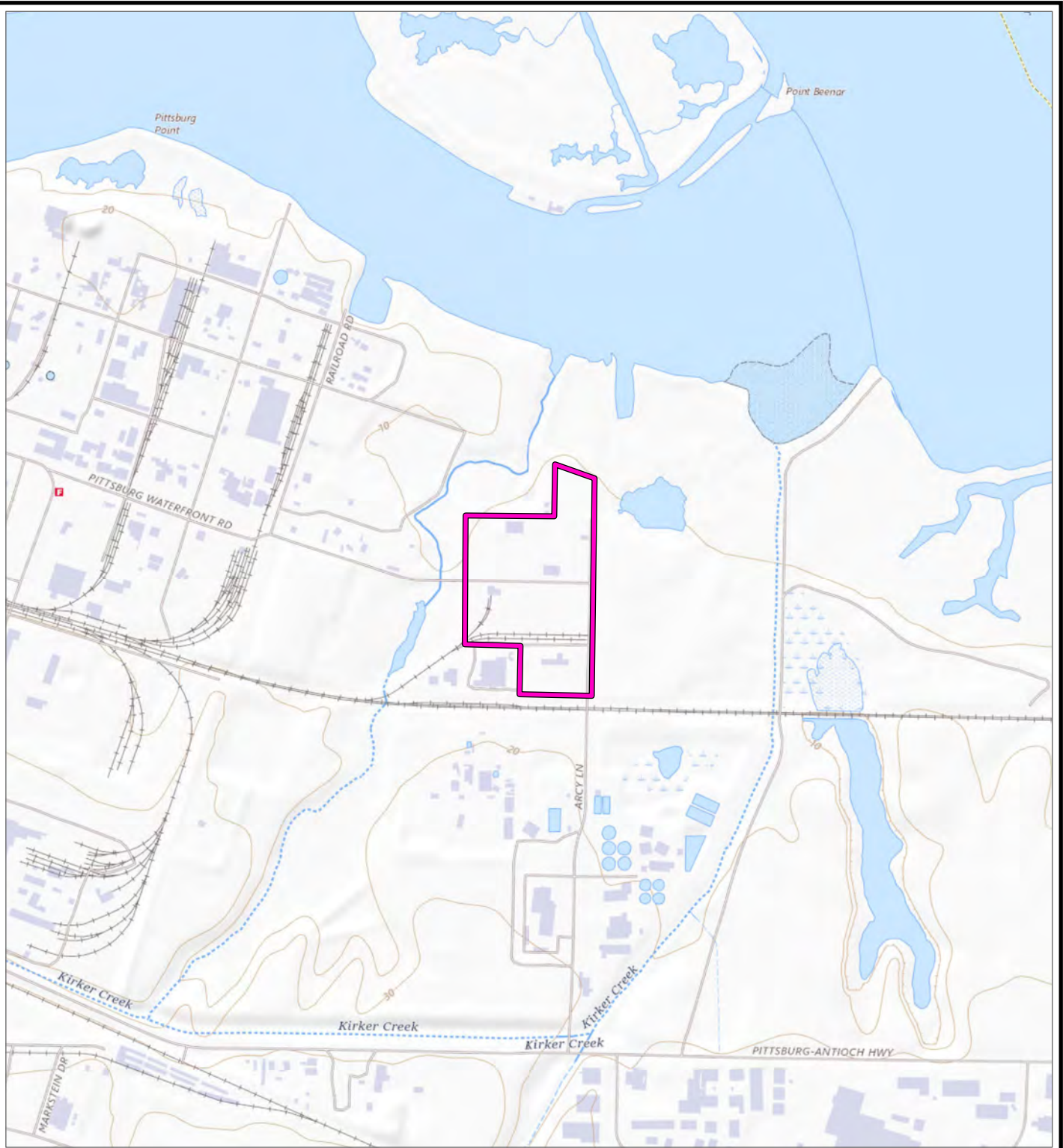
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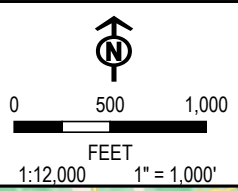
Appendix A. Figures

Appendix B. Data Forms and Representative Photographs

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 PROPOSED PROJECT AREA



PROJECT: **H-CYCLE RENEWABLE HYDROGEN PRODUCTION PROJECT**

TITLE: **PROJECT OVERVIEW MAP**

DRAWN BY: S. RAY

PROJ. NO.: 557647.0000.0000

CHECKED BY: B. KIDDER

APPROVED BY: E. BERGQUIST

FIGURE 1

DATE: OCTOBER 2023

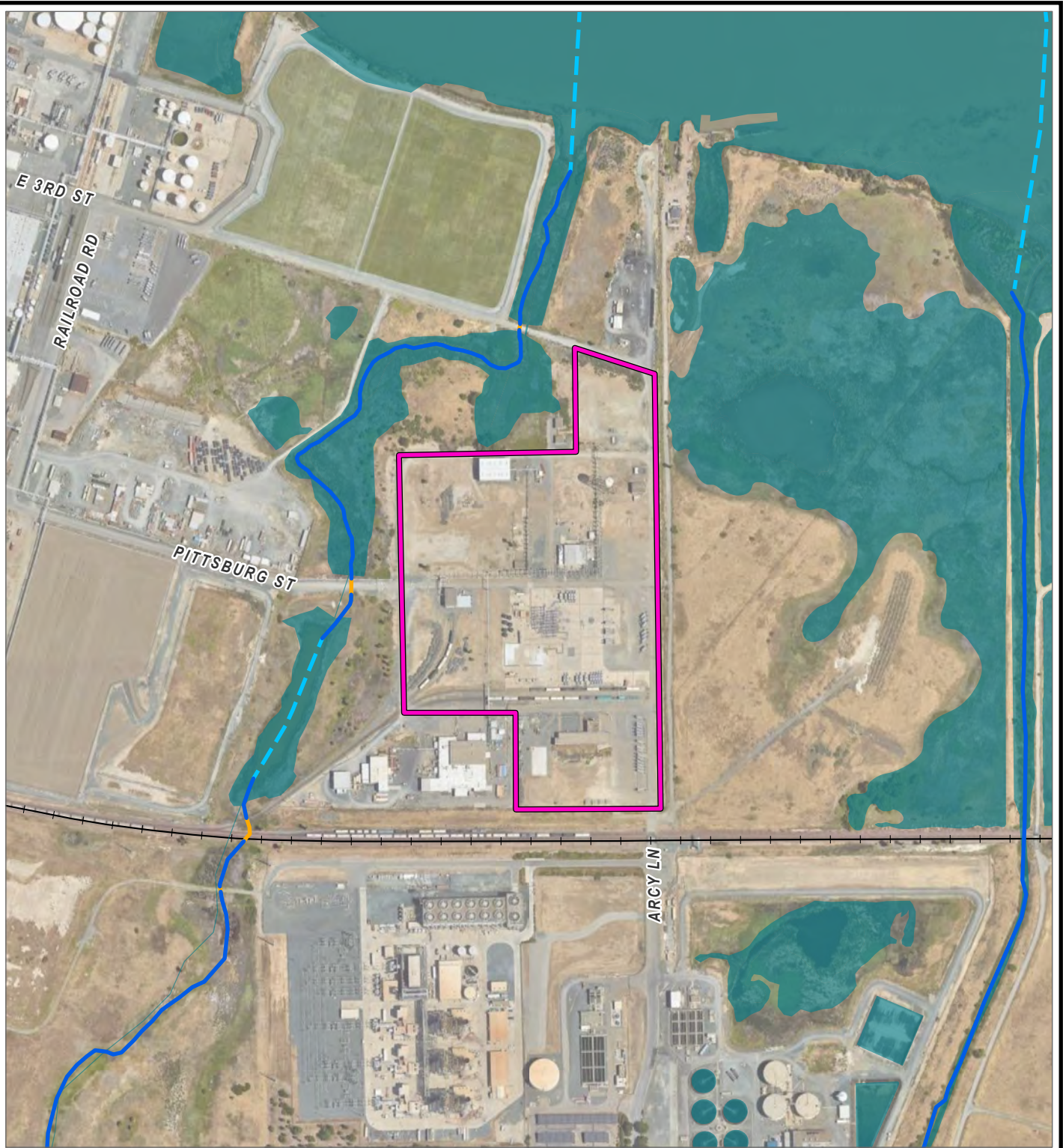


6 EXECUTIVE CIRCLE
 SUITE 200
 IRVINE, CA 92614
 PHONE: 949.727.9336

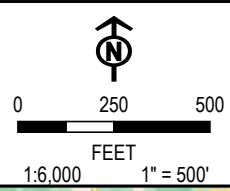
BASE MAP: USGS TOPOGRAPHIC MAP
 DATA SOURCES: TRC

FILE: CORTEVA BIO AND WETLANDS REPORT

COORDINATE SYSTEM: NAD 1983 UTM ZONE 10N; MAP ROTATION: 0
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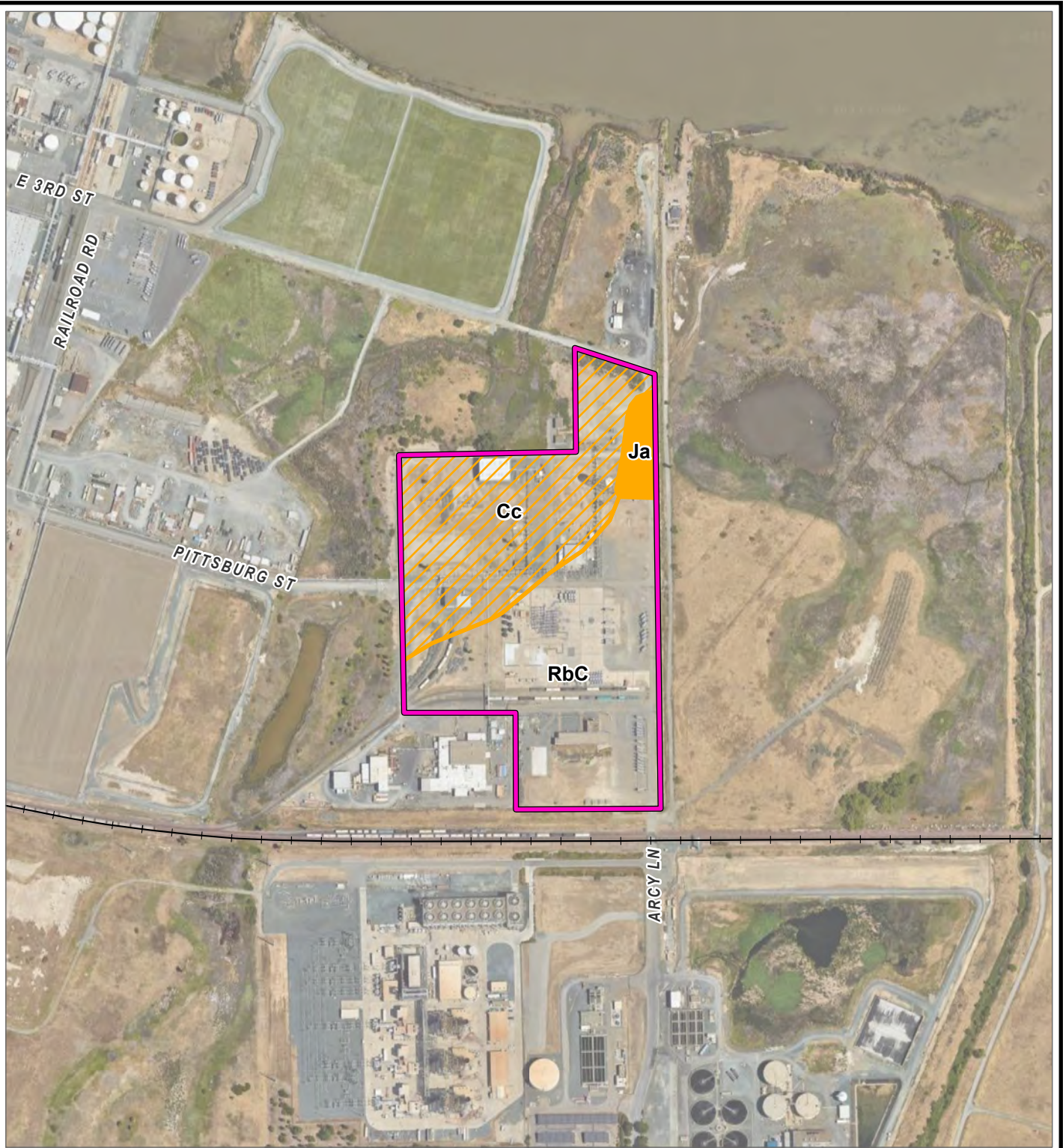
- - - ARTIFICIAL PATH
- CONNECTOR
- STREAM/RIVER
- + + + BNSF RAILWAY
- PROPOSED PROJECT AREA
- WETLANDS



PROJECT:		H-CYCLE RENEWABLE HYDROGEN PRODUCTION PROJECT	
TITLE:		NWI AND NHD MAP	
DRAWN BY:	S. RAY	PROJ. NO.:	557647.0000.0000
CHECKED BY:	B. KIDDER	FIGURE 2	
APPROVED BY:	E. BERGQUIST		
DATE:	OCTOBER 2023		
		6 EXECUTIVE CIRCLE SUITE 200 IRVINE, CA 92614 PHONE: 949.727.9336	
FILE:		CORTEVA BIO AND WETLANDS REPORT	

BASE MAP: GOOGLE EARTH AND THEIR DATA PARTNERS
 DATA SOURCES: TRC, RAILROADS: CALIFORNIA OPENDATA PORTAL,
 OPENSTREETMAP, NATIONAL WETLANDS INVENTORY

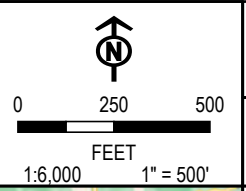
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- BNSF RAILWAY
- NON-HYDRIC (0%)
- PREDOMINANTLY NON-HYDRIC (1% - 33%)
- HYDRIC (100%)
- PROPOSED PROJECT AREA

NOTES:
 Cc = CLEAR LAKE CLAY, 0 TO 15 PERCENT SLOPES, MLRA 15
 Ja = JOICE MUCK, MLRA 16
 RbC = RINCON CLAY LOAM, 2 TO 9 PERCENT SLOPES, MLRA 14

BASE MAP: GOOGLE EARTH AND THEIR DATA PARTNERS
 DATA SOURCES: TRC, RAILROADS: CALIFORNIA OPENDATA PORTAL,
 OPENSTREETMAP, NATIONAL WETLANDS INVENTORY



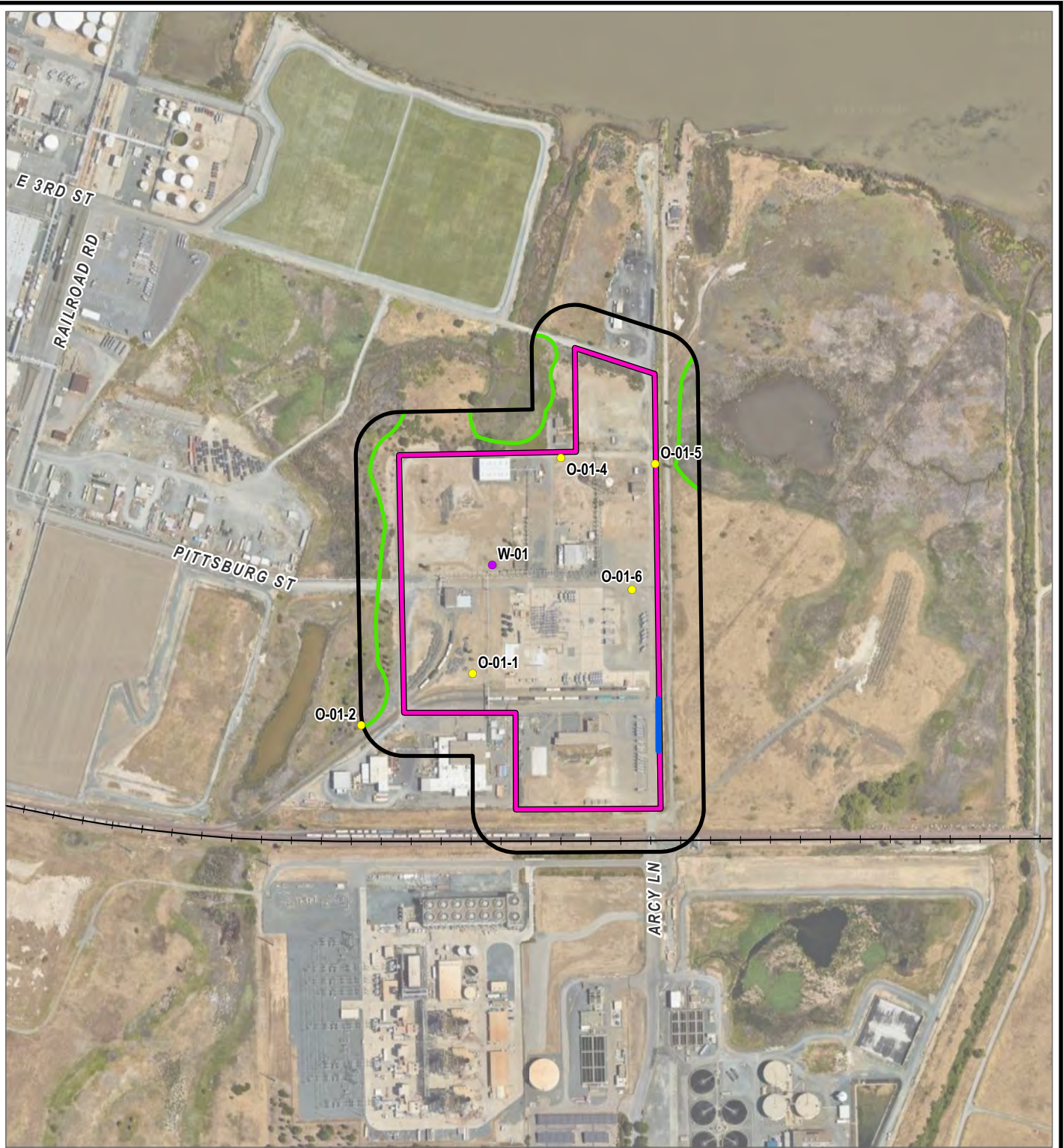
PROJECT: **H-CYCLE RENEWABLE HYDROGEN PRODUCTION PROJECT**

TITLE: **SOILS MAP**

DRAWN BY: S. RAY	PROJ. NO.: 557647.0000.0000
CHECKED BY: B. KIDDER	FIGURE 3
APPROVED BY: E. BERGQUIST	
DATE: OCTOBER 2023	


	6 EXECUTIVE CIRCLE SUITE 200 IRVINE, CA 92614 PHONE: 949.727.9336
	FILE: CORTEVA BIO AND WETLANDS REPORT

COORDINATE SYSTEM: NAD 1983 UTM ZONE 10N; MAP ROTATION: 0
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- PHOTO POINT
- WETLAND PLOT
- APPROXIMATE WETLAND BOUNDARY
- +— BNSF RAILWAY
- DRAINAGE DITCH (NON-JURISDICTIONAL)
- 150' PROPOSED PROJECT AREA BUFFER
- PROPOSED PROJECT AREA

BASE MAP: GOOGLE EARTH AND THEIR DATA PARTNERS
 DATA SOURCES: TRC, RAILROADS: CALIFORNIA OPENDATA PORTAL, OPENSTREETMAP



0 250 500
 FEET
 1:6,000 1" = 500'



PROJECT:		H-CYCLE RENEWABLE HYDROGEN PRODUCTION PROJECT	
TITLE:		FIELD RESULTS MAP	
DRAWN BY:	S. RAY	PROJ. NO.:	557647.0000.0000
CHECKED BY:	B. KIDDER	FIGURE 4	
APPROVED BY:	E. BERGQUIST		
DATE:	OCTOBER 2023		
		6 EXECUTIVE CIRCLE SUITE 200 IRVINE, CA 92614 PHONE: 949.727.9336	
FILE:		CORTEVA BIO AND WETLANDS REPORT	

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: H Cycle Cortevea site City/County: Pittsburg, Contra Costa County Sampling Date: 2023-08-25

Applicant/Owner: H Cycle State: California Sampling Point: W-TSH-01_UPL-1

Investigator(s): Tanessa Hartwig, TSH Section, Township, Range: 2 North, 1 East

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1 to 3

Subregion (LRR): LRR C Lat: 38.0216827298 Long: -121.8445567042 Datum: WGS84

Soil Map Unit Name: Clear Lake clay, 0 to 15 percent slopes, MLRA 15 NWI classification: None

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)

Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No

Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Remarks:
Covertypes is UPL. Area is upland, not all three wetland parameters are present. Entire site is historically disturbed but does not appear to be recently disturbed..

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	0 (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	1 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	0 (A/B)
4. _____	_____	_____	_____		
	0	= Total Cover			
Sapling/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet:	
1. _____	_____	_____	_____	Total % Cover of:	Multiply By:
2. _____	_____	_____	_____	OBL species	0 x 1 = 0
3. _____	_____	_____	_____	FACW species	0 x 2 = 0
4. _____	_____	_____	_____	FAC species	0 x 3 = 0
5. _____	_____	_____	_____	FACU species	6 x 4 = 24
	0	= Total Cover		UPL species	36 x 5 = 180
Herb Stratum (Plot size: 3 meters)				Column Totals	42 (A) 204 (B)
1. <i>Euphorbia maculata</i>	30	Yes	UPL	Prevalence Index = B/A =	4.9
2. <i>Baccharis pilularis</i>	6	No	UPL		
3. <i>Erigeron canadensis</i>	6	No	FACU		
4. <i>Carex sp.</i>	3	No	NI		
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
	45	= Total Cover			
Woody Vine Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:	
1. _____	_____	_____	_____	_____ Dominance Test is >50%	
2. _____	_____	_____	_____	_____ Prevalence Index is ≤ 3.0 ¹	
	0	= Total Cover		_____ Morphological Adaptation ¹ (Provide supporting data in Remarks or on a separate sheet)	
				_____ Problematic Hydrophytic Vegetation ¹ (Explain)	
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
% Bare Ground in Herb Stratum <u>50</u>		% Cover of Biotic Crust <u>0</u>		Hydrophytic Vegetation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Remarks:

SOIL

Sampling Point: W-TSH-01 UPL-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 12	10YR 8/3	100		0			Loam	

¹Type: C = Concentration, D = Depletion, RM = Reduced Matrix, CS = Covered or Coated Sand Grains. ²Location: PL = Pore Lining, M = Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils³:
<input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) (LRR C) <input type="checkbox"/> 1 cm Muck (A9) (LRR D) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) <input type="checkbox"/> Vernal Pools (F9)

Restrictive Layer (if present): Type: <u> </u> Rock Depth (inches): <u> </u> 12	Hydric Soil Present? Yes ___ No <input checked="" type="checkbox"/>
--	--

Remarks:

No positive indication of hydric soils was observed..

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) (Nonriverine) <input type="checkbox"/> Sediment Deposits (B2) (Nonriverine) <input type="checkbox"/> Drift Deposits (B3) (Nonriverine) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Salt Crust (B11) <input type="checkbox"/> Biotic Crust (B12) <input type="checkbox"/> Aquatic Invertebrates (B13) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input checked="" type="checkbox"/> Other (Explain in Remarks)

<input type="checkbox"/> Water Marks (B1) (Riverine) <input type="checkbox"/> Sediment Deposits (B2) (Riverine) <input type="checkbox"/> Drift Deposits (B3) (Riverine) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5)	Field Observations: Surface Water Present? Yes ___ No <input checked="" type="checkbox"/> Depth (inches): <u> </u> Water Table Present? Yes ___ No <input checked="" type="checkbox"/> Depth (inches): <u> </u> Saturation Present? Yes ___ No <input checked="" type="checkbox"/> Depth (inches): <u> </u> (includes capillary fringe)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No ___
--	--	--

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

depression with signs of water retention (see soil and vegetation photos). Aerial photography (10/2009-7/2023) depicts a darker signature in many years, but no standing water..

Vegetation Photos



resource overview, facing north. Note darker soils within potential resource



reduced *Baccharis pilularis*



soil cracks and *Euphorbia maculata*



Carex sp.

Soil Photos



soil from pit



soil pit



soil crust close up



resource overview and soil crust


**Appendix B
Photo Log**

Photo 1: Example of ruderal areas on Project Site – looking north



Photo 2: Dowest Slough/Kirker Creek – looking northeast (Photo Date 8/25/2023)



Project No.	Photographs Taken By:	Page No.	Client:	Project Name	
557647	Tanessa Hartwig	1 of 3	H-Cycle	Renewable Hydrogen Production Project	


**Appendix B
Photo Log**

Photo 3: Non-jurisdictional ditch – looking north (Photo Date 8/25/2023)



Photo 4: Site overview – looking southwest (Photo Date 8/25/2023)



Project No.	Photographs Taken By:	Page No.	Client:	Project Name	
557647	Tanessa Hartwig	2 of 3	H-Cycle	Renewable Hydrogen Production Project	


**Appendix B
Photo Log**

Photo 5: View of Corteva Wetlands – looking northeast (Photo Date 8/25/2023)



Photo 6: Site overview – looking south (Photo Date 8/25/2023)



Project No.	Photographs Taken By:	Page No.	Client:	Project Name	
557647	Tanessa Hartwig	3 of 3	H-Cycle	Renewable Hydrogen Production Project	

Appendix E: Cultural Resources Assessment



Cultural Resources Assessment for the H- Cycle Pittsburg Renewable Hydrogen Project, City of Pittsburg, Contra Costa County, California

October 2023

Prepared For:

H-Cycle
444 Castro Street, Suite 710
Mountain View, CA 94041

Prepared By:

TRC
10680 White Rock Road, Suite 100
Rancho Cordova, CA 95670

Prepared by: Matthew Wetherbee, MSc,
RPA and Ronald Johnson, MA., RPA



Keywords: Cultural resources survey; Project Area coverage 24 acres; Contra Costa County; H-Cycle Pittsburg Renewable Hydrogen Project; Antioch North Quadrangle; Township T2N, Range 1E, Rancho Los Medanos land grant; REJ-092223-SITE-01, P-07000806/CA-CCO-732H (Update).



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APPENDICES

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Appendix B:	Native American Coordination Documentation
Appendix C:	Field Results and Resource Location Map
Appendix D:	State of California Department of Parks and Recreation 523 Series Forms



ACRONYM LIST

AB	Assembly Bill
ACHP	Advisory Council on Historic Preservation
A.D.	After Descension
B.C.	Before Christ
CCR	California Code of Regulations
CCTS	Central California Taxonomic System
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CHRIS	California Historical Resources Information System
CRHR	California Register of Historical Resources
GIS	Global Information System
kV	Kilovolt
NAHC	Native American Heritage Commission
NHPA	National Historic Preservation Act
NRHP	National Register of Historic Places
NWIC	Northwest Information Center
PG&E	Pacific Gas & Electric
PRC	Public Resources Code
RPA	Registered Professional Archaeologist
USC	United States Code
USGS	United States Geological Survey



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Executive Summary

TRC Environmental Corporation (TRC) was retained by H-Cycle to conduct a cultural resources study for the proposed H-Cycle Pittsburg Renewable Hydrogen Project (HCPRHP) (Project) in the City of Pittsburg in Contra Costa County, California. The subject property of the study is located on private land (APN 073-220-049-8) on Pittsburg Waterfront Road within developed land south of Suisun Bay. This study is intended to identify and describe cultural resources that could be impacted by development of the Project. The City of Pittsburg is the lead agency for the California Environmental Quality Act (CEQA). The Project Area measures approximately 24 acres in total and is currently occupied by infrastructure associated with the former Dow Chemical manufacturing facility and tenant spaces occupied by Corteva, Generon, and Schlumberger.

This study includes a cultural context, brief history of the Project Area, a cultural resources records search of the Project Area and 0.5-mile buffer, results of a Sacred Lands File (SLF) search by the California Native American Heritage Commission (NAHC), historic map review, an intensive-level pedestrian survey of the subject property, and a technical report presenting the methodology and results of the study. This study was completed in compliance with and in satisfaction of CEQA. TRC is conducting this study to determine whether the proposed project may have the potential to cause impacts to cultural resources eligible for or listed in the California Register of Historical Resources (CRHR).

On August 31, 2023, TRC archaeologist Matthew Wetherbee, MSc., RPA., initiated a California Historical Resources Information System (CHRIS) records search from the Northwest Information Center (NWIC), located at Sonoma State University in Rohnert Park. The results of the records search indicate that portions of the Project Area were included in three prior cultural resource studies and no cultural resources were recorded within the current Project Area.

TRC archaeologists, Ronnie Johnson, MA, RPA., and Susan Talcott, PhD, RPA conducted the cultural resources survey of the Project Area on September 22, 2023. During the survey efforts, two historic-era built environment resources constructed by the Dow Chemical Plant during the 1950s to support manufacturing operations were recorded in the Project Area. The resources consist of an updated and still active railway spur of the Atchison, Topeka & Santa Fe Railroad (P-07-000806/CA-CCO-732) and an inactive water tower (REJ-092223-STR-01). The Dow Chemical Plant was in operation from the 1950s and ceased operations in the early 1980s. The water tower is no longer in use and the railway spurs remain active today, with railcars stored on track at the time of survey.

Through various avenues of historic background research, neither the railway spurs nor the water tower appear to qualify as “an important example” of type, period, region, or method of construction, nor do they express any ideals or design concepts more fully than other similar railway spurs and water towers in the region. Despite extensive research, no person(s) or event(s) of recognized significance in national, state, or local history have been revealed in association with these resources. Additionally, there is no evidence that they represent the work of a prominent architect, designer, or builder.

Based on the research presented herein, TRC recommends resources REJ-092223-STR-01 and the updated rail spur (P-07-000806) as not eligible for listing on the California Register of Historical Resources, and accordingly do not meet the official definition of a “historical



resource,” as defined in CEQA. The research potential at both resources has been exhausted, and few meaningful conclusions can be drawn from further study. Recordation of the site has been completed and DPR forms will be filed with the NWIC. No other cultural resources were identified within the Project Area during the course of this study.

Therefore, TRC recommends that the City of Pittsburg may reach a finding of No Impact regarding cultural resources. Historical imagery indicates that the Project Area and vicinity had been significantly modified for many decades to support industrial developments and the likelihood of encountering subsurface cultural resources is low. No further cultural resources investigation is recommended for the proposed project unless project plans undergo such changes as to include areas not covered by this study. However, if buried cultural materials are encountered during any ground-disturbing activities associated with the project, all work in that area should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.



1.0 Introduction

Between July and September 2023, at the request of H-Cycle, TRC performed a cultural resources study on approximately 24 acres of land for the H-Cycle Pittsburg Renewable Hydrogen Project (HCPRHP) (Project) in the City of Pittsburg, Contra Costa County, California. The subject property of the study is located on private land (APN 073-220-049-8) on Pittsburg Waterfront Road within developed land south of Suisun Bay. This study is intended to identify and describe cultural resources that could be impacted by development of the Project. The City of Pittsburg is the lead agency for the California Environmental Quality Act (CEQA). TRC conducted this study to determine whether the proposed Project may have the potential to cause impacts to properties eligible for or listed in the California Register of Historical Resources (CRHR).

This study includes a cultural context, brief history of the Project Area, a cultural resources records search of the Project Area and 0.5-mile buffer, results of a SLF search by the California NAHC, historic map and aerial photography review, results of an intensive-level pedestrian survey, and provides management recommendations.

The purpose of this cultural resources study is to determine whether previously recorded or unrecorded cultural resources are located in the Project Area, and to aid H-Cycle and the City of Pittsburg in avoiding impacts to these resources during Project implementation.

TRC personnel involved in the preparation of this report include senior archaeologists Matthew Wetherbee, MSc., RPA., Ronnie Johnson, MA., RPA., and GIS specialist, Randy Blake, BA. Resumes of key personnel are provided in Appendix A.

1.1 Project Location and Description

The HCPRHP proposes to develop the Project area into a facility for converting municipal waste to hydrogen for use in industrial and heavy-duty transportation sectors. Specifically, the proposed Project lies within the Rancho Los Medanos land grant, Township 2 North, Range 1 East, Mount Diablo Base and Meridian, as shown on the Antioch North, California, 7.5-minute U.S. Geological Survey (USGS) topographic quadrangle (Figures 1-2). The proposed project is to construct and operate a renewable hydrogen production facility to convert waste organic feedstock into carbon-negative renewable hydrogen.

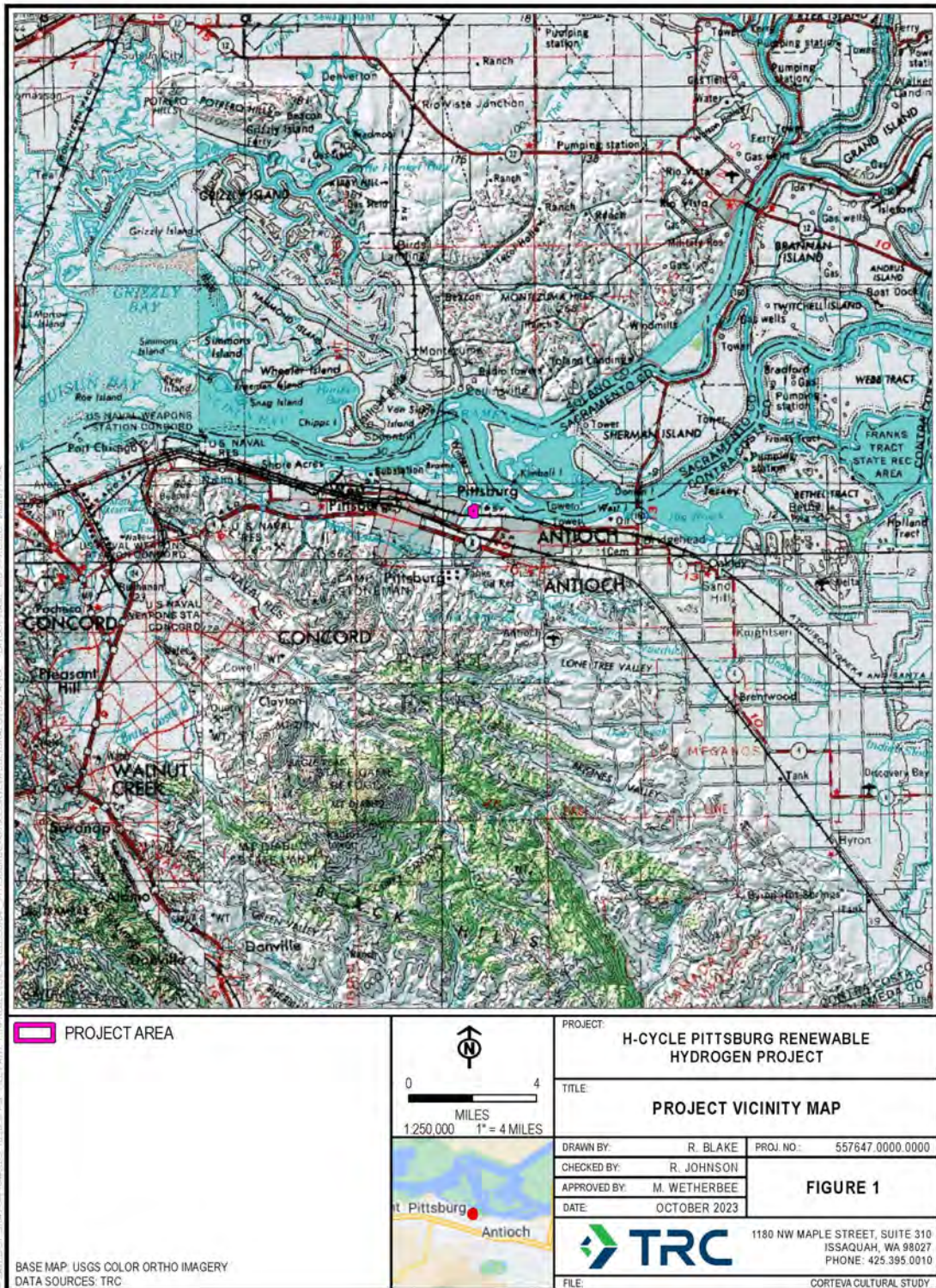


Figure 1. Project vicinity.

(Based on USGS Lodi, Calif., 1:250,000 quadrangles [USGS 1979])

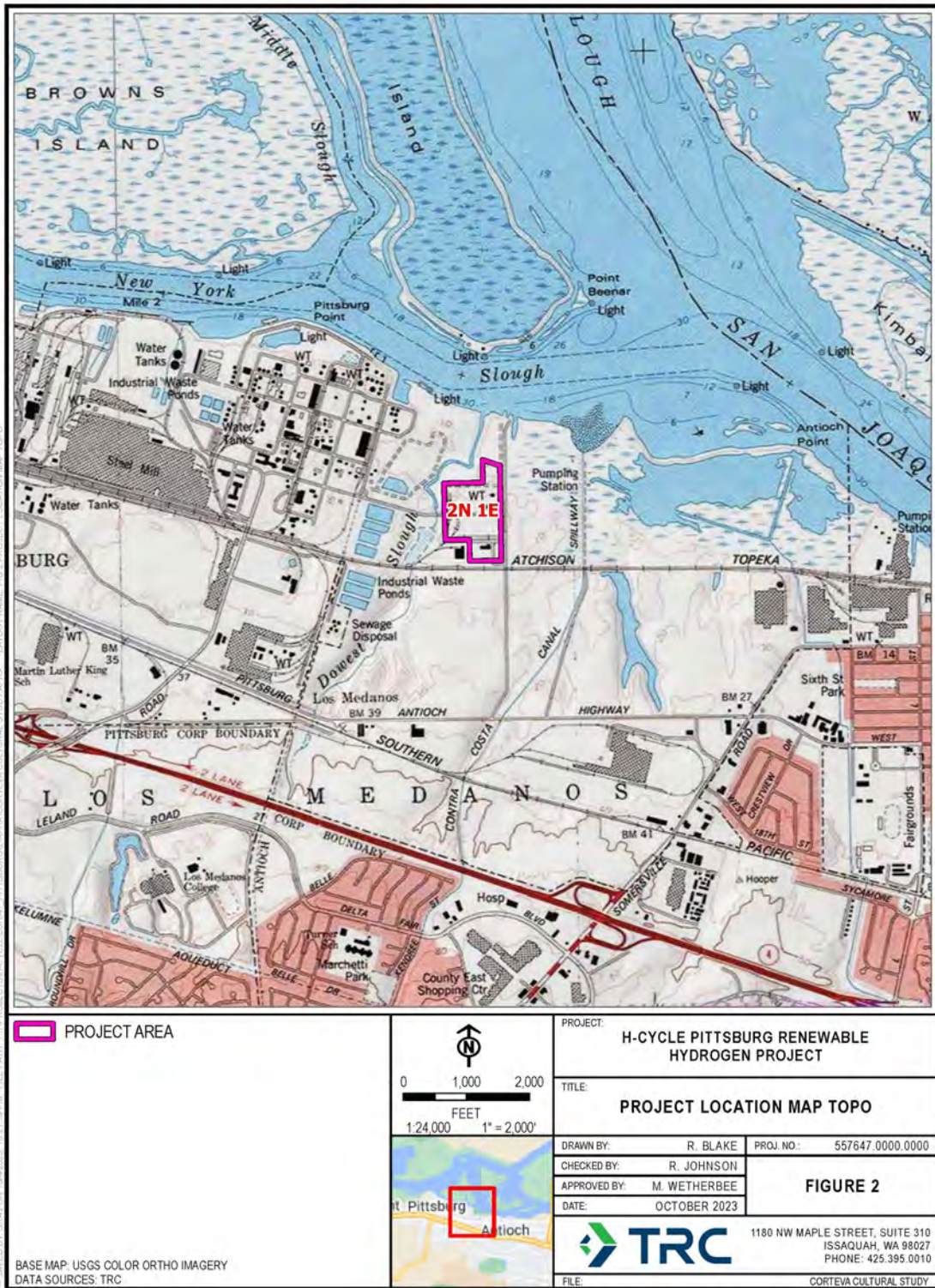


Figure 2. Project Area location map.

(Based on USGS Antioch North, Calif., 1:24,000 quadrangle [USGS 1953; Photo revised 1980])



2.0 Setting

2.1 Environmental Setting

The Project Area is located at the east end of the City of Pittsburg, California, just south of Suisun Bay. The subject property and surrounding lands were marshlands until development of the local area began in the mid-1950s. Prior to the mid-1950s, there was little development in the vicinity other than Southern Pacific Railroad, Pittsburg Railroad, and the Atchison-Topeka, and Santa Fe Railroad located south and west of the Project Area. By the mid-1950s the vicinity began to develop with industrial growth. Lands immediately surrounding the Project Area remained undeveloped marshland, but the Project Area received a manufacturing facility from the Ethyl Corporation (TRC 2023) including a large warehouse and other buildings.

Soils within the Project Area typically consist of alluvial fans and stream terraces with Capay Clay (CaA), 0 to 3 percent slope and Rincon clay loam (RbD), 9 to 15 percent slope (USDA NRCS 2022). The Project Area is situated approximately 14 feet above mean sea level (msl) and generally the site slopes to the north-northeast. The terrain of the subject property is relatively level.

The property is currently occupied by infrastructure associated with the former Dow Chemical manufacturing facilities and Corteva. There are four buildings currently on the property that are used for material storage, a laboratory, and an empty shed. In addition, there are paved and unpaved parking areas and equipment storage and vegetation throughout the property. There is also an inactive water tower in the northeast corner of the property and railroad spurs along the southern and southwestern property boundaries. There is a stormwater outfall and collection system along the eastern property boundary. Several monitoring wells are located within the Project Area and are abandoned and two small soil stockpiles from grading activities are located in the northern and central portions of the subject property, respectively.

2.2 Prehistoric Setting

The Project Area occurs at the west edge of the Central Valley Geomorphic Province. The history of human occupation and use of the Central Valley is characterized by a number of related trends taking place over the last 10,000 years. Archaeologically visible patterns can be attributed as response to gradual changes in climate, resource availability, and human population growth. The cultural response to these changes includes specialization, intensification, sedentism, and the development of regional economic networks. This section provides a brief overview of the changing adaptive strategies used by the inhabitants of the Central Valley and the archaeological manifestations of these changes.

Research into local prehistoric cultures in the area began in the early 1900s with the work of N. C. Nelson of the University of California at Berkeley. Nelson documented 425 shellmounds along the bay shore and adjacent coast when the bay was still ringed by salt marshes three to five miles wide (Nelson 1909). He maintained that the intensive use of shellfish, a subsistence strategy reflected in both coastal and bay shoreline middens, indicated a general economic unity in the region during prehistoric times, and he introduced the idea of a distinct San Francisco Bay archaeological region (Moratto 1984:227) that included the area where the current Project Area is located. Three sites, in particular, provided the basis for the first model of cultural succession in Central California, the



Emeryville Shellmound (CA-ALA-309), the Ellis Landing Site (C A-CC0-295), and the Fernandez Site (CA-CCO-259) (Moratto 1984:227).

Investigations into the prehistory of the Central Valley of California, presaged by early amateur excavations in the 1890s, began in earnest in the 1920s. In the early 20th century, Stockton-area amateur archaeologists J. A. Bar and E. J. Dawson separately excavated a number of sites in the Central Valley and made substantial collections. On the basis of artifact comparisons, Bar identified what he believed were two distinct cultural traditions, an early and a late. Dawson later refined his work and classified the Central Valley sites into three "age-groups" (Moratto 1984).

Professional or academic-sponsored archaeological investigations in central California began in the 1930s, when J. Lillard and W. Purves of Sacramento Junior College formed a field school and conducted excavations throughout the Sacramento Delta area. By seriating artifacts and mortuary traditions, they identified a three-phase sequence similar to Dawson's, including Early, Intermediate, and Recent cultures (Lillard et al. 1939). This scheme went through several permutations (Lillard et al. 1939). In 1948 and again in 1954, Richard Beardsley refined this system and extended it to include the region of San Francisco Bay (Beardsley 1948, 1954). The resulting scheme came to be known as the Central California Taxonomic System (CCTS) (Fredrickson 1973; Hughes 1994:1). Subsequently, the CCTS system of Early, Middle, and Late Horizons was applied widely to site dating and taxonomy throughout central California.

As more data were acquired through continued fieldwork, local exceptions to the CCTS were discovered. The accumulation of these exceptions, coupled with the development of radiocarbon dating in the 1950s and obsidian hydration analysis in the 1970s, opened up the possibility of dating deposits more accurately. Much of the subsequent archaeological investigation in central California focused on the creation and refinement of local versions of the CCTS.

In the 1960s and 1970s, archaeologists including Ragir (1972) and Fredrickson (1973) revised existing classificatory schemes and suggested alternative ways of classifying the prehistory of California. Fredrickson (1973:113-114) proposed four "major chronological periods" in prehistoric California: the Early Lithic Period (described as hypothetical), a Paleoindian Period, an Archaic Period, and an Emergent Period. The Archaic and Emergent Periods were further divided into Upper and Lower periods. Subsequently, Fredrickson (1974, 1994) subdivided the Archaic into Lower, Middle, and Upper.

A series of "patterns," emphasizing culture rather than temporal periods, can be identified throughout California prehistory. Following Ragir, Fredrickson (1973:123) proposed that the nomenclature for each pattern relate to the location at which it was first identified, such as the Windmill, Berkeley, and Augustine Patterns.

Various modifications of the CCTS (e.g., Bennyhoff and Hughes 1987; Fredrickson 1973, 1974; Milliken and Bennyhoff 1993) sustain and extend the system's usefulness for organizing our understanding of local and regional prehistory in terms of time and space. The cultural patterns identified in the Bay Area that in a general way correspond to the CCTS scheme are the Berkeley and Augustine patterns (for information on the Berkeley and Augustine Patterns see Fredrickson 1973, Milliken et al. 2007, Moratto 1984). Dating techniques such as obsidian hydration analysis or radiometric measurements can further increase the accuracy of these assignments.

Most recently, Milliken et al. (2007:99-123) developed what they term a "hybrid system" for the San Francisco Bay Area, combining the Early -Middle-Late Period temporal sequence with the pattern-aspect-phase cultural sequence. Dating of the cultural patterns, aspects, and phases was based on Dating Scheme D of the CCTS, developed by Groza (2002). Groza directly dated over 100 Olivella shell beads, obtaining a series of AMS radiocarbon dates representing shell bead horizons. The new chronology she developed has moved several shell bead horizons as much as 200 years forward in time.

Milliken et al.'s (2007) San Francisco Bay Area Cultural Sequence includes:

- Early Holocene (Lower Archaic) from 8000 to 3500 B.C.
- Early Period (Middle Archaic) from 3500 to 500 B.C
- Lower Middle Period (Initial Upper Archaic) from 500 B.C. to A.D. 430
- Upper Middle Period (Late Upper Archaic) from A.D. 430 to 1050
- Initial Late Period (Lower Emergent) from A.D. 1050 to 1550
- Terminal Late Period, post-A.D. 1550

No archaeological evidence dating to pre-8000 B.C. has been located in the Bay Area. Milliken et al. (2007) suggest that this dearth of archaeological material may be related to subsequent environmental changes that submerged sites, buried sites beneath alluvial deposits, or destroyed sites through stream erosion.

A "generalized mobile forager" pattern marked by the use of milling slabs and handstones and the manufacture of large, wide-stemmed and leaf-shaped projectile points emerged around the periphery of the Bay Area during the Early Holocene Period (8000 to 3500 B.C.). Beginning around 3500 B.C., evidence of sedentism, interpreted to signify a regional symbolic integration of peoples, and increased regional trade emerged. This Early Period lasted until ca. 500 B.C. (Milliken et al. 2007:114, 115).

Milliken et al. (2007:115) identify "a major disruption in symbolic integration systems" circa 500 B.C., marking the beginning of the Lower Middle Period (500 B.C. to A.D. 430). Bead Horizon MI, dating from 200 B.C. to A.D. 430, is described by Milliken et al. (2007:115) as marking a 'cultural climax' within the San Francisco Bay Area.

The Upper Middle Period (A.D. 430 to 1050) is marked by the collapse of the Olivella saucer bead trade in central California, abandonment of many Bead Horizon MI sites, an increase in the occurrence of sea otter bones in those sites that were not abandoned, and the spread of the extended burial mortuary pattern characteristic of the Meganos complex into the interior East Bay. Bead Horizons M2 (A.D. 430 to 600), M3 (A.D. 600 to 800), and M4 (A.D. 800 to 1050) were identified within this period (Milliken et al. 2007:116).

The Initial Late Period, dating from A.D. 1050 to 1550, is characterized by increased manufacture of status objects. In lowland central California during this period, Fredrickson (1973 and 1994, quoted in Milliken et al. 2007:116) noted evidence for increased sedentism, the development of ceremonial integration, and status ascription. The beginning of the Late Period, (ca. A.D. 1000) is marked by the Middle/Late Transition bead horizon.



The Terminal Late Period began circa A.D. 1550 and continued until European settlement of the area.

In 2005 and 2006 at CA-CCO-548, near the John Marsh House on Marsh Creek to the west of Brentwood and Byron, have yielded cultural evidence from a large village site and a major prehistoric cemetery. Almost 500 burials and numerous associated artifacts have been recovered. Dating for this site is incomplete, but probably ranges from between 6,000-7,000 years B.P. to about 1,500 B.P. The site contains major Windmill and Berkeley components.

2.3 Ethnography

The Project Area lies within the territorial borders of the Bay Miwok group. The property was likely inhabited by the Ompin tribelet of the Bay Miwok. This conclusion is based on examination of ethnographic accounts and historic maps (Heizer 1971; Levy 1978). Unless otherwise indicated, the following summary is based upon Levy's 1978 work.

The Bay Miwok occupied the eastern portions of what is now Contra Costa County, from Mt. Diablo northeast into the Sacramento-San Joaquin Delta. The Plains Miwok inhabited the lower reaches of the Mokelumne and Cosumnes Rivers and the banks of the Sacramento River from Rio Vista to Free port. The Sierra Miwok inhabited the foothills and higher mountains of the Sierra. Culturally, the Bay Miwok were probably more similar to the Plains Miwok than to the Sierra Miwok.

The basic subsistence strategy of the Eastern Miwok was seasonally mobile hunting and gathering. The only cultivated crop was tobacco and the only domesticated animal was the dog. An ample supply of seed-bearing annuals and forage for game was assured by intentional burning in August. Acorns, the primary staple of the Eastern Miwok, were gathered in the fall and stored through the winter. An important staple in the summer were seeds, gathered May through August. Plant foods included, acorns, buckeye nuts, laurel nuts, hazelnuts, seeds, roots, greens and some berries. The Miwok ate more meat in the winter, when only stored plant resources were available. Hunting was accomplished with the aid of the bow and arrow, traps, and snares. Animal foods consisted of deer; elk; antelope; rodents; water fowl; quail, pigeons, flickers and other birds; freshwater mussels and clams; land snails; fish; and a variety of insects. Salt was obtained from springs or through trade with the Mono Lake area.

Miwok technology included bone, stone, antler, wood, and textile tools. Basketry items included seed beaters, cradles, sifters, rackets used in ball games, and baskets for storage, winnowing, parching, and carrying burdens. Other textiles included mats and cordage. Tule balsas were constructed for navigation on rivers and in the Delta.

The Eastern Miwok constructed several types of structures. Conical structures of bark were used in the mountains, whereas those of tule matting were used more in the lower elevations of the Central Sierra. Semi-subterranean earth-covered dwellings served as winter homes. Also, within the Miwok settlement were acorn granaries, menstrual huts, sweathouses, conical grinding huts over bedrock mortars, and two types of assembly houses. Large semi-subterranean structures were the focal point of ritual and social gatherings. Circular brush structures were used for mourning ceremonies in summer months.

The Eastern Miwok first came into contact with Europeans in the second half of the eighteenth century, when Spanish explorers entered Miwok territory. The Bay Miwok were the first to be affected by attempts of Spanish missionaries to convert Native American to Christianity. It appears that many Bay and Plains Miwok triplets disappeared from their homelands through combined effects of population removal to the missions at San Francisco and San Jose and disease introduced by Europeans. Runaway neophytes were sought by military expeditions. Initially, the Miwok hid from their Spanish pursuers, but eventually began to fight back. Militarism grew in the 1820s and 1830s, particularly among the Plains Miwok. With the incursion of trappers, gold miners, and settlers, the Miwok were exposed to more new diseases. Although this early contact with settlers had a profoundly negative impact on the Miwok population, both through disease and violent actions, the Miwok people survive and maintain strong communities and action-oriented organization.

2.4 Historic Context

Exploration. The Sacramento-San Joaquin River Delta was visited frequently by early Euroamerican explorers. Pedro Fages explored the shores of San Francisco Bay in search of a suitable mission site and by 1772 had traveled as far as the San Joaquin River (Hoover et al. 1990; Thompson 1958). The same territory was explored in 1776 by Colonel Juan Bautista de Anza. In 1793, Francisco Eliza sailed into the Sacramento River. Between 1806 and 1817, mission site reconnaissance expeditions were conducted by a number of explorers including Gabriel Moraga (1806, 1808), Father Ramon Abella (1811), Jose Antonio Sanchez (1811), and Father Narciso Duran (1817).

The first American to travel in the Sacramento-San Joaquin River Delta area was probably Jedediah Strong Smith, who opened the Sacramento Trail in the late 1820s. Smith reported to the Hudson's Bay Company on the quantity and quality of the furs available in California. In 1828, the company sent its first trapping expeditions to California. Initially, trapping in the Sacramento and San Joaquin Valleys was profitable. By 1834, however, trapping was no longer lucrative, and by 1842, the Hudson's Bay Company had terminated its California operations. (Hoover et al. 1990.)

Settlement. The first American settler in the Solano County area was John Reed Wolfskill. Wolfskill arrived in California in 1838 and by 1842 had acquired Mexican citizenship, thus enabling him to receive land grants from the Mexican government. The Rio de los Puntos grant was made to him in 1842, and the patent of 1858 awarded him 17,754 acres, partly in Solano County, and partly in Yolo County (Hoover et al. 1990).

Land Reclamation. The reclamation of the Sacramento-San Joaquin River Delta marshes began in the 1850s and peaked in the late 19th and early 20th centuries. In 1850, the Arkansas Swamp Land Act was passed, in which Congress ceded swamp and overflow land to certain states on the condition that the proceeds from the sale of the land go toward reclamation of the land. In 1855, the state legislature passed an act to provide for the sale of swampland in California. Among the provisions of this act was a limit of 320 acres per person sold at \$1 per acre. Swamp and overflow land could be bought on credit, but the purchaser was obligated to reclaim half the land purchased within 5 years. The attempts of individual landholders to build levees and reclaim swamp and overflow land in the 1850s proved futile in most cases. Individual shoestring levees were not strong enough; a system of network of levees and drainages was required. A large infusion of capital and labor was necessary to build strong levees, drain large plots of land, and maintain the system.



In 1861, the state legislature created the State Board of Reclamation Commissioners and authorized it to form reclamation districts (McGowan 1961). In an attempt to enclose large areas bounded by natural levees, 32 districts were formed (Thompson 1958). After the board was dissolved in 1866, control of swamp and overflow land fell to the counties (Thompson 1958). Acreage limitations were removed and incentive programs were instituted. When a landholder certified that \$2 per acre had been spent on reclamation, the purchase price of the land was refunded and the owner given the deed. Speculators took advantage of this offer and a period of opportunistic and often irrational levee building followed (McGowan 1961; Thompson 1958).

By 1870, most swamp and overflow land was privately owned, but progress in reclamation was slow. By 1878, two million acres of swamp and overflow land had been sold. Most of this land was not patented, however, and real reclamation had been accomplished on no more than one-sixth of the total acreage (Thompson 1958). Corporations and wealthy individuals owned 50% of the land and were undertaking extensive reclamation projects in tidal back swamps and islands with some natural levee systems (McGowan 1961). Most of this land was reclaimed with the intent of leasing it.

Most landowners used low-paid Chinese laborers, who had become available for work following the completion of the Central Pacific Railroad in 1869. The Chinese Exclusion Act of 1882 resulted in a decrease in California's Chinese population, however, and the levee system suffered from a lack of proper maintenance. By the turn of the century, large tracts of land had reverted to their pre-1860s status (PAR Environmental Services 1993).

Various technological advances in the late 19th and early 20th centuries helped to make up for the loss of an inexpensive labor force (PAR Environmental Services 1993). Clamshell, hydraulic, and steam-driven dredges took the place of the horse-drawn scrapers and dredges of the early period of reclamation. The introduction of the mechanical ditch digger in 1918 meant that ditches could be cleared with backhoes. Steam-powered and electrical pumps helped to drain the land. Reclamation of virgin land ended in the early 1920s, but work remained to secure already reclaimed lands (Thompson 1958). Dredging activities conducted by the U.S. Army Corps of Engineers in the 1930s removed sand and silt from the river and pumped it inland, depositing it on the tule marshes and pasture lands in the area of Collinsville (William Self Associates 1993).

Agriculture. Reclaimed lands were used for agriculture. A number of factors combined to make agriculture in the Sacramento-San Joaquin River Delta a profitable industry. The fertile land of the Delta was easy to work, irrigation in the area was inexpensive, transportation to the port and population center of San Francisco was fast and cheap, and the crops ripened early (Thompson 1958).

Transportation. The 1870s saw the expansion of railroads throughout California. Several different routes connected the major towns of the Delta area, such as Benicia, Vallejo, Fairfield and Pittsburg, to the rest of California. Smaller river towns such as Collinsville relied on river ferries to connect them to rail transportation and other river towns. One of the first ferries operated on either side of the Sacramento or San Joaquin Rivers was established by L.W. Hastings in the late 1880s. This ferry connected what is now Collinsville with the opposite shore at the confluence of the Sacramento and San Joaquin Rivers. Dr. Robert Semple, one of the founders of the town of Benicia, established the first ferry across the Carquinez Strait in 1847. Ferry service operated between Benicia and



Martinez until 1962, when the highway bridge connecting the two towns was completed (Hoover et al. 1990:466).

Local History. Pittsburg, originally settled in 1839, was called first "New York Landing", then "Black Diamond", before citizens voted on "Pittsburg" on February 11, 1911. The name was selected to honor Pittsburgh, Pennsylvania, as the two cities shared a common steel and mining industrial heritage. This rechristening came at a time when the name of Pittsburgh, Pennsylvania was more commonly spelled without the "h" (Aiello 2004; Borgwardt 1996; Harre 1986).

In 1910, Columbia Steel opened its California steel plant in Pittsburg with one foundry and a crew of 60 employees. It made steel castings for the dredging, lumber and shipping industries. In 1930, Columbia became a subsidiary of U.S. Steel Company. The plant continued to grow until the early 1950s, reaching a peak staff of 5,200 employees. when the markets for its products crashed. The parent company (by 1986, renamed as USS Company) had merged with Korean Pohang Iron and Steel Company. Together they invested \$450 million turning the Pittsburg plant into a modern flat-products mill, renamed as USS-Posco. As of 1999, the facility employed 970 workers and shipped over 1.6 million U.S. tons per year of steel to over 175 customers in the Western U.S., Mexico, Canada and the Pacific Rim (Aiello 2004; Borgwardt 1996; Harre 1986).

The original town site fronts on the Sacramento/San Joaquin River Delta, reflecting its origins as a deep-water channel river port. Since the early 1900s, the city has grown inland to the south, then spread east and west along State Route 4, now a freeway carrying resident commuters to jobs in the San Francisco Bay-Oakland Region. In the process, the former town of Cornwall, California was absorbed. The city has enjoyed continued residential redevelopment growth near its northern boundary, as well as ongoing construction of major subdivisions in the southwest hills, including San Marco Villas (Aiello 2004; Borgwardt 1996; Harre 1986).

The Sacramento Northern (SN) was an electrified interurban railroad in California that extended 183 miles from Oakland north to Chico. There were two branches, one to Woodland-Colusa, and the other to Oroville. The SN had been two separate interurban companies connecting at Sacramento until 1925. The Oakland, Antioch, and Eastern Railway was a trolley-wire powered line that ran from Oakland through a tunnel in the Oakland hills to Moraga, Walnut Creek, Concord, Pittsburg, to Sacramento. It was renamed the San Francisco-Sacramento Railroad briefly. The Northern Electric Railway was a third-rail powered line that ran from Sacramento north through Marysville-Yuba City to Chico. The train crossed the Sacramento River on the Red Gate Bridge. It was renamed the Sacramento Northern Railroad in 1914. In 1928, the two lines combined to become the Sacramento Northern Railway and came under control of the Western Pacific Railroad which operated it as a separate entity. An extensive multiple-car passenger service operated from Oakland to Chico until 1941 including providing dining car service on some trains. Passenger traffic was heaviest from Sacramento to Oakland. Freight operation using electric locomotives continued into the 1960s. The SN was a typical interurban in that its trains, including freight, ran on downtown city streets in Oakland, Sacramento, Yuba City, and Woodland. Once in open country, SN's passenger trains ran at fairly fast speeds. With its shorter route and lower fares, the SN provided strong competition to the Southern Pacific and Western Pacific railroads for passenger business and minor freight business between those two cities. North of Sacramento, rail business was less due to the small-town agricultural nature of the region with its small towns and by competition from the SP Railroad (Aiello 2004; Borgwardt 1996; Harre 1986).



The Sacramento Northern Railroad, a subsidiary of Western Pacific, came into existence around 1929, and was composed of the Oakland, Antioch & Eastern Railroad (also the San Francisco-Sacramento Railroad, originally the Oakland and Antioch Railway), and the Northern Electric Interurban; each of these former lines were in service as early as 1900. Originally electrified, the line converted to diesel in the 1960s. The SN disappeared when Western Pacific was merged into Union Pacific in 1982 (Aiello 2004; Borgwardt 1996; Harre 1986).

Based on a review of historical information, the first structures built on the property by 1957 were the original infrastructure of the Dow Chemical Plant, that included at least four building structures, the rail spurs, and the water tower. and expanded with additional structures in the northern portion of property by 1998. Dow Chemical's onsite operations ceased by the early 1980's. The subject property is currently owned by Dow Chemical Company (TRC 2023).

Ethyl Corporation operated onsite between 1958 and 1963. Based on review of regulatory records, Ethyl Corporation used and stored chemicals to manufacture tetraethyl lead prior to DOW Chemical Company's purchase of the property in 1982. This property was incorporated into the corrective action under the Hazardous Waste Management Program oversight at the DOW Chemical Company property that is now under the direction of the Water Board (TRC 2023).

3.0 Regulatory Framework

This section identifies state legislation; local statutes, ordinances, and guidelines that govern the identification and treatment of cultural resources; and the analysis of project-related effects to these resources. The lead agency must consider their relevant requirements when making decisions on projects that may affect cultural resources.

3.1 State Regulations

CEQA requires a State or Local lead agency to analyze whether historic and/or archaeological resources may be adversely impacted by a proposed project. Under CEQA, a "project that may cause a substantial adverse change in the significance of a historic resource is a project that may have a significant effect on the environment" (PRC Section 21084.1). Answering this question is a two-part process: first, the determination must be made as to whether the proposed project involves cultural resources. Second, if cultural resources are present, the proposed project must be analyzed for a potential "substantial adverse change in the significance" of the resource.

3.1.1 Historical Resources

According to State CEQA guidelines section 15064.5, for the purposes of CEQA, historical resources are as follows:

A resource listed in, or formally determined eligible ... for listing in the CRHR (PRC 5024.1, Title 14 California Code of Regulations [CCR], Section 4850 et seq.).

A resource included in a local register of historical resources, as defined in Section PRC 5020.1(k), of the Public Resources Code or identified as significant in a historic resources survey meeting the requirements of Section PRC 5024.1(g).



Any object, building, structure, site, area, place, record, or manuscript that the lead agency determines to be eligible for national, state, or local landmark listing; generally, a resource shall be considered by the lead agency to be historically significant (and therefore a historic resource under CEQA) if the resource meets the criteria for listing on the CRHR (as defined in PRC Section 5024.1, Title 14 CCR Section 4852).

Resources nominated to the CRHR must retain enough of their historic character or appearance to convey the reasons for their significance. Resources whose historic integrity (as defined above) does not meet the NRHP criteria may still be eligible for listing in the CRHR.

According to CEQA, the fact that a resource is not listed in or determined eligible for listing in the CRHR or is not included in a local register or survey shall not preclude the lead agency from determining that the resource may be an historical resource (PRC Section 5024.1). Pursuant to CEQA, a project with an effect that may cause a substantial adverse change in the significance of a historical resource may have a significant effect on the environment (state CEQA guidelines Section 15064.5[b]).

3.1.2 Substantial Adverse Change and Indirect Impacts to Historical Resources

State CEQA guidelines specify that a “substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired” (state CEQA guidelines Section 15064.5). Material impairment occurs when a project alters in an adverse manner or demolishes “those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion” or eligibility for inclusion in the NRHP, CRHR, or local register. In addition, pursuant to state CEQA guidelines section 15126.2, the “direct and indirect significant effects of the project on the environment shall be clearly identified and described, giving due consideration to both the short-term and long-term effects.”

The following guides and requirements are of particular relevance to this study’s analysis of indirect impacts to historic resources. Pursuant to state CEQA guidelines (Section 15378), study of a project under CEQA requires consideration of “the whole of an action, which has the potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment.” State CEQA guidelines (section 15064(d)) further defines direct and indirect impacts as follows:

- (1) A direct physical change in the environment is a physical change in the environment which is caused by and immediately related to the project.
- (2) An indirect physical change in the environment is a physical change in the environment which is not immediately related to the project, but which is caused indirectly by the project. If a direct physical change in the environment in turn causes another change in the environment, then the other change is an indirect physical change in the environment.
- (3) An indirect physical change is to be considered only if that change is a reasonably foreseeable impact which may be caused by the project.

3.1.3 Archaeological Resources

In terms of archaeological resources, PRC Section 21083.2(g) defines a *unique archaeological resource* as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

- (1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
- (2) Has a special and particular quality such as being the oldest of its type or the best available example of its type.
- (3) Is directly associated with a scientifically recognized important prehistoric or historic event or person.

If it can be demonstrated that a proposed project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Sections 21083.2[a], [b], and [c]). CEQA notes that, if an archaeological resource is neither a unique archaeological resource nor an historical resource, the effects of the project on those resources shall not be considered to be a significant effect on the environment (State CEQA guidelines section 15064.5[c][4]).

3.1.4 California State Assembly Bill 52

Assembly Bill 52 of 2014 (AB 52) amended PRC Section 5097.94 and added PRC Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3.

3.1.4.1 Consultation with Native Americans

AB 52 formalizes the lead agency – tribal consultation process, requiring the lead agency to initiate consultation with California Native American groups that are traditionally and culturally affiliated with the project, including tribes that may not be federally recognized. Lead agencies are required to begin consultation prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report.

3.1.4.2 Tribal Cultural Resources

Section 4 of AB 52 adds Sections 21074(a) and 21074(b) to the PRC, which address tribal cultural resources and cultural landscapes. Section 21074(a) defines *tribal cultural resources* as one of the following:

- (1) Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
 - (A) Included or determined to be eligible for inclusion in the CRHR.
 - (B) Included in a local register of historical resources as defined in subdivision (k) of Section 5020.1.

- (2) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1. In applying the criteria set forth in subdivision (c) of Section 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.

Section 1 (a)(9) of AB 52 establishes that “a substantial adverse change to a tribal cultural resource has a significant effect on the environment.” Effects on tribal cultural resources should be considered under CEQA. Section 6 of AB 52 adds Section 21080.3.2 to the PRC, which states that parties may propose mitigation measures “capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource.” Further, if a California Native American tribe requests consultation regarding project alternatives, mitigation measures, or significant effects to tribal cultural resources, the consultation shall include those topics (PRC Section 21080.3.2[a]). The environmental document and the mitigation monitoring and reporting program (where applicable) shall include any mitigation measures that are adopted (PRC Section 21082.3[a]).

3.1.5 California Register of Historical Resources

Created in 1992 and implemented in 1998, the CRHR is “an authoritative guide in California to be used by state and local agencies, private groups, and citizens to identify the state’s historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change” (PRC Sections 21083.2 and 21084.1). Certain properties, including those listed in or formally determined eligible for listing in the NRHP and California Historical Landmarks numbered 770 and higher, are automatically included in the CRHR. Other properties recognized under the California Points of Historical Interest program, identified as significant in historical resources surveys, or designated by local landmarks programs, may be nominated for inclusion in the CRHR. According to PRC Section 5024.1(c), a resource, either an individual property or a contributor to a historic district, may be listed in the CRHR if the State Historical Resources Commission determines that it meets one or more of the following criteria, which are modeled on NRHP criteria:

- **Criterion 1:** It is associated with events that have made a significant contribution to the broad patterns of California’s history and cultural heritage.
- **Criterion 2:** It is associated with the lives of persons important in our past.
- **Criterion 3:** It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
- **Criterion 4:** It has yielded, or may be likely to yield, information important in history or prehistory.

Resources nominated to the CRHR must retain enough of their historic character or appearance to convey the reasons for their significance. Resources whose historic integrity does not meet NRHP criteria may still be eligible for listing in the CRHR.

4.0 Research Methods

4.1 Records Search

The California Historical Resources Information System (CHRIS) information centers house cultural resources records and reports for California's 58 counties. TRC initiated a CHRIS records search at the Northwest Information Center (NWIC) of the Project Area plus an approximate 0.5-mile buffer. The purpose of the records search was to identify previously recorded prehistoric or historic cultural resources, including isolated artifacts, archaeological sites, historical buildings, and structures that are in and within approximately 0.5 mile of the Project Area. The records search was intended to provide information about specific resources that may be in the subject property, as well as to provide a preliminary assessment of the cultural resources sensitivity of the general vicinity. The records search included a review of the appropriate USGS quadrangles on which archaeological sites are plotted, archaeological site records, and data from previous surveys and research reports. In addition, the CHRIS database, the NRHP, the CRHR, the listings of California Historical Landmarks, and the California Points of Historical Interest were examined to ascertain the presence of designated, evaluated, or historic-era resources in the Project Area.

4.2 Native American Outreach

On July 21, 2023, TRC submitted a SLF request to the NAHC. The response to the SLF Search was received from the NAHC on August 7, 2023, and included a list of recommended Native American Contacts. The NAHC SLF search failed to indicate the presence of Native American cultural resources in the Project Area. Documentation of the SLF search is provided in Appendix B.

4.3 Field Survey

On September 22, 2023, TRC archaeological field director Ronnie Johnson, MA, RPA, and TRC Principal Investigator Susan Talcott, Ph.D., RPA., carried out the intensive-level, pedestrian field survey of the Project Area. During the survey, the archaeologists walked parallel east-west transects spaced 15 meters (ca. 50 feet) apart. In this way, the ground surface, where accessible, was systematically and carefully examined for any evidence of human activities dating to the prehistoric or historic periods (i.e., 50 years ago or older). Ground visibility was good (75-100 percent) as majority of the project has been built over throughout the decades and contains recent development including paved and gravel roads, cement foundations, buildings and other standing structures associated with the Dow Chemical Company and the Ethyl Corporation operations, respectively. The results of the survey are discussed below. A field survey map is provided in Appendix C.

5.0 Results

5.1 Records Search

The record search indicated that portions of the Project Area were included in three cultural resource surveys between 1985 to 2017. The first of these was in 1985 and was in support of the Pittsburg Marina Expansion project (Woodward-Clyde Consultants 1985). That survey documented that the project site had been severely impacted through grading, fill deposit, and

used as a hazardous waste disposal area. Nineteen years later, the eastern boundary of the project area was included in a cultural resources study that included survey and construction monitoring in support of an 8-inch diameter natural gas Montezuma pipeline project (Busby 2004). Cultural resources monitoring was conducted in 2001 along the eastern boundary of the current Project Area and building debris was identified and was interpreted as representing a single episode of building debris transported to the project area and dumped into, or as, fill during expansion of the Dow Chemical facility within the past 50 years (Busby 2004). It was determined that none of the objects, either individually or as a group, appeared eligible for the CRHR or met the definition of a unique archaeological resource (Busby 2004). The last survey to include a portion of the southeastern boundary of the current Project Area occurred in 2017 and was in support of the Antioch Brackish Water Desalination Project (Koenig 2017) and no cultural resources were identified. In addition, there were 23 other cultural resources surveys and studies outside of the Project Area, but within the 0.5-mile radius (see Table 1).

Table 1. Previous Cultural Resources Studies within 0.5 Mile of the Project Area.

Report Number	Author	Year	Report Title	Relationship to Project Area
S-007386	David Chavez	1985	Cultural Resources Evaluation for the Delta Landing EIR/EIS, Antioch, Contra Costa County, California.	Outside (within 0.5 mile)
S-007647		1985	Cultural Resource Investigation of the Proposed Pittsburg Marina Expansion Project.	Within Project Area
S-031405	James M. Allan	2006	Archaeological Survey and Cultural Resources Assessment for the City of Antioch's proposed Antioch Recycled Water Pipeline project (letter report)	Outside (within 0.5 mile)
S-035196	Allen Estes, Aimee Arrigoni, David Buckley, James Allan, and William Self	2006	Cultural Resource Assessment Delta Diablo Sanitation District and the City of Antioch Recycled Water Pipeline Extension Project, Antioch, Contra Costa County, California	Outside (within 0.5 mile)
S-035196	Milford Wayne Donaldson and Susan M. Fry	2007	BUR070508H; Proposed Extension of a Recycled Water Pipeline with the City of Antioch, Contra Costa County, California (07-SCAO-086)	Outside (within 0.5 mile)
S-037097	Aimee Arrigoni and Thomas Young	2010	Cultural Resource Assessment Report Supplement Delta Diablo Sanitation District and the City of Antioch Recycled Water Pipeline Extension Project, Antioch, Contra Costa County, California	Outside (within 0.5 mile)
S-046909	Aisha Rahimi-Fike	2015	Delta Diablo Recycled Water System Expansion Project, Historical Resources Inventory and Evaluation Report, Contra Costa County, California	Outside (within 0.5 mile)
S-046909		2015	Delta Diablo Recycled Water System Expansion Project, Archaeological Inventory Report, Contra Costa County, California	Outside (within 0.5 mile)
S-050521	Heidi Koenig	2017	Antioch Brackish Water Desalination Project, Cities of Antioch And Pittsburg, Contra Costa County, Cultural Resources Survey Report	Within Project Area
S-050521	Heidi Koenig	2019	Cultural Resources Survey Report, Antioch Brackish Water Desalination Project, Cities of Antioch and Pittsburg, Contra Costa County, Revised 2019	Within Project Area
S-010040	Allan Bramlette, Mary Praetzellis, Adrian Praetzellis, and David A. Fredrickson	1988	Archaeological and Historical Resources Within the Los Vaqueros/Kellogg Study Area, Contra Costa and Alameda Counties, California	Outside (within 0.5 mile)
S-010040	Allan G. Bramlette, Mary Praetzellis,	1991	Archaeological Resources Inventory for Los Vaqueros Water Conveyance Alignments, Contra	Outside (within 0.5 mile)

Report Number	Author	Year	Report Title	Relationship to Project Area
	Adrian Praetzelis, Katherine M. Dowdall, Patrick Brunmeier, and David A. Fredrickson		Costa County, California	
S-018352		1976	East/Central Contra Costa County Wastewater Management Plan, California: Cultural Resources Survey	Outside (within 0.5 mile)
S-018352	Adam Cvijanovic and Larry Aull	1976	Assessment of Historical and Architectural Resources	Outside (within 0.5 mile)
S-018352	Colin I. Busby	1976	Assessment of Archaeological Resources: East/Central Contra Costa County Wastewater Management Plan	Outside (within 0.5 mile)
S-018440	G. James West and Patrick Welch	1996	Class II Archaeological Survey of the Contra Costa Canal, Contra Costa County, California	Outside (within 0.5 mile)
S-022929	Sara M. Atchley	2000	Positive Archaeological Survey and Historic Resources Evaluation Report for the State Route 4/Loveridge Road Flood Relief Project - Kirker Creek, City of Pittsburg, Contra Costa County	Outside (within 0.5 mile)
S-022929	Aimee Dour-Smith	2000	State Route 4 Flood Relief Project on Kirker Creek- Supplement to Archaeological Survey Report	Outside (within 0.5 mile)
S-022929	Janice C. Calpo	2000	Historic Architectural Survey Report for the State Route 4/Loveridge Road Flood Relief Project- Kirker Creek, City of Pittsburg, Contra Costa County	Outside (within 0.5 mile)
S-024322	Sally Morgan and Bruce Bachand	1998	Pittsburg District Energy Facility, Cultural Resources Technical Report (Appendix K)	Outside (within 0.5 mile)
S-024322	Sally Morgan and Bruce Bachand	1998	Pittsburg District Energy Facility, Cultural Resources Technical Report (Supplement to Appendix K)	Outside (within 0.5 mile)
S-024322		2000	Pittsburg District Energy Facility Cultural Resources, Technical Report Addendum 1, Appendix K (Additional Construction Laydown Area)	Outside (within 0.5 mile)
S-030387	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	2005	Historical Resources Compliance Report, Burlington Northern Santa Fe Railway Double Track Project (Segment 2), Oakley (MP 1146.1) to Port Chicago (MP 1164.4), In and Near the Cities of Oakley, Antioch, and Pittsburg, and the Port Chicago Naval Weapons Station, Contra Costa County, California	Outside (within 0.5 mile)
S-030387	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	2005	Archaeological Survey Report/Historical Resource Evaluation	Outside (within 0.5 mile)
S-030579	Colin I. Busby	2004	Cultural Resources Report, Delta Energy Center Site (DEC) and Associated Linears, Cities of Pittsburg and Antioch, Contra Costa County, California, California Energy Commission (CEC), Project 98-AFC-3C	Within Project Area
S-035861	Bai "Tom" Tang	2009	Historic Property Survey Report, proposed undertaking to upgrade the capacity of the Burlington Northern Santa Fe (BNSF) Railway's mainline from Mile Post (MP) 1146.1 to MP 1164.4, between the City of Oakley and the Port Chicago Naval Weapons Station in Contra Costa County	Outside (within 0.5 mile)
S-035861	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	2009	Archaeological Survey Report/Historical Resource Evaluation Report, Burlington Northern Santa Fe Railway Double Track Project (Segment 2), In and near the Cities of Oakley, Antioch, and Pittsburg and the Port Chicago Naval Weapons Station, Contra	Outside (within 0.5 mile)

Report Number	Author	Year	Report Title	Relationship to Project Area
			Costa County, California	

The results from the records search identified three previously recorded historic built environment resources within 0.5-mile of the Project Area and none within the subject property (see Table 2). These resources include one railroad, the approximate location of the Great Western Electrical Chemical, Dow Chemical Company with associated buildings, and the former site of the Camp Stoneman Wastewater Treatment facility and associated features. It is anticipated that none of these previously recorded resources within the 0.5-mile radius will be impacted by the proposed project.

Table 2. Previously Recorded Cultural Resources within 0.5-Mile of the Project Area.

Primary Number	Trinomial	Resource Type	Description	Recorder(s) and Year(s)	Relationship to Project Area	NRHP/CRHR Status
P-07-000806	CA-CCO-000732H	Historic (AH7; HP39)	Atchison, Topeka & Santa Fe Railroad	1995 (Brian Hatoff, Woodward Clyde); 1995 (Brian Hatoff, Woodward Clyde); 1995 (Brian Hatoff, Woodward Clyde); 1995 (Brian Hatoff, Woodward Clyde); 1996 (Ward Hill, [none]); 1998 (S. Ashkar, Jones & Stokes Associates, Inc.); 1998 (Meta Bunse, JRP Historical Consulting); 1999 (S. Atchley, G. Roark, Jones & Stokes Associates, Inc.); 2004 (Josh Smallwood, CRM Tech); 2009 (J. Lang, GANDA); 2016 (Polly S. Allen, JPR Historical Consulting)	Outside (within 0.5 mile)	Recommended Not Eligible
P-07-001086	N/A	Historic building (HP08)	Great Western Electrical Chemical, Dow Chemical Co	1976 (C. A. Farren, Contra Costa County Planning Dpt.)	Outside (within 0.5 mile)	Unknown
P-07-004995	CA-CCO-000869H	Historic site (AH2; AH4)	Camp Stoneman Wastewater Treatment Facility	2022 (Ronnie Johnson, TRC Companies)	Outside (within 0.5 mile)	Recommended Not Eligible

5.2 Historic Maps and Aerial Photography Review

To assess whether historic properties or features may have once been located within the Project Area, TRC consulted archival records maintained by the CHRIS Northwest Information Center, current NRHP listings, and reviewed available historic maps that encompass the project area, including the U.S. Geological Survey (USGS) quadrangle maps dating to 1907, 1908, 1912, 1916, 1918, 1953, 1968, 1978, 1980, 2012, 2015, and 2018. In addition to consulting records maintained by the CHRIS, TRC reviewed historic aerial imagery, and the NRHP for historic properties or features that may have once been located within the proposed Project Area.



Based on the 1907 to 1918 USGS topographic maps and the 1937 through 1952 aerial photographs, no structures are depicted on the subject property and the vicinity remained undeveloped. Aerial photos from 1937 through 1952 show the Dowest Slough extending through the northwest portion of the Project Area. Based on aerial photographs from the 1950's, the subject property was developed with the original infrastructure of the Dow Chemical Plant, that included at least four building structures, the rail spurs, and the water tower. The 1968 USGS topographic map depicts multiple infrastructure features on the site, but by 1980 most of the features had been removed. In addition, the Dowest Slough in the northwest corner had been filled in during this time. The aerial photographs indicate from at least 1984 to the present there is little change to the site configuration except for the addition of a new structure along the north-central property boundary and the property appears to be in its current configuration. The USGS topographic maps do not depict any structures or the rail spurs on the subject property during this timeframe (NETR 2023).

5.3 Field Survey

Cultural survey was conducted on September 22, 2023, by TRC archaeological field director Ronnie Johnson, MA, RPA, and TRC Principal Investigator Susan Talcott, Ph.D., RPA. Overall, the entire Project Area was heavily disturbed due to decades of development from prior corporations improving the property and very little native soils are present as large portions of the property are covered by pavement or fill materials (Figures 4-9). Minimal vegetation was present throughout the Project Area. No archaeological sites were encountered during field survey; however, two historic built environment resources were identified.

Located at the northeastern section of the Project Area is a historic-era water tower (REJ-092223-STR-01; Figure 7). No artifacts or features were identified in associated with this water tower. Below the water tower, the surface consisted of a mixture of pavement, gravel, and low-lying shrubs intermixed with modern trash. The water tower is approximately 100 feet in height and 30 feet in diameter. The structure consists of a round tank with four tank support columns (legs) constructed from steel and a riser pipe down the middle. Around the tank is a balcony with a handrail. The southeast leg has a ladder running from the ground up to the tank and three levels of support struts and four levels of tie rods are present.

At the southwestern section of the project are three railway spurs which divert from the Atchison, Topeka & Santa Fe Railroad (P-07-000806/CA-CCO-732; Figures 8-9) located outside the Project. Two of the railway spurs run west to east extending from P-07-000806 along the entire length of the Project Area spanning approximately 875 feet. The third railway spur runs from south to north for 400 feet to an unknown storage building. Currently there are train cars occupying each rail. There was an isolated railway spike identified adjacent to the middle railway spur on the north side.



Figure 3. Overview of central portion of Project Area; view to the south.



Figure 4. Overview of northern section of Project Area; view to the east.



Figure 5. Overview of central portion of Project Area; view to the south.



Figure 6. Overview of western portion of Project Area and railroad spurs (P-07-000806/CA-CCO-732); view to the north.



Figure 7. Overview of east section of Project and resource REJ-092223-STR-01. View to the northwest.



Figure 8. Overview of resource P-07-000806/CA-CCO-372 (railway spur); view to the south.



Figure 9. Overview of southern portion of Project Area and railway cars; view to the southwest.

6.0 Summary and Evaluation

During the current field survey efforts, one existing historic-era built environment resource was updated and one newly recorded historic-era built environment resource was recorded within the Project Area. The Atchison, Topeka & Santa Fe Railroad (P-07-000806/CA-CCO-732) was updated with a railway spur traversing into the property and an inactive water tower (REJ-092223-STR-01) was recorded within the northeast section of the property. Both resources have occupied the Project Area since the 1950s.

The Atchison, Topeka & Santa Fe Railroad (P-07-000806/CA-CCO-732) was originally established in the latter half of the 19th century just south of the current Project Area traversing in an east-west direction. The railway spur was established in the 1950s diverting from the mainline and heading in a northeast direction into the subject property. At the southwestern section of the Project Area, the spur splits into three railway spurs with two spurs running west to east for approximately 875 feet terminating near the eastern boundary of the property. The third railway spur runs from south to north for 400 feet towards an unknown building. Currently there are train cars occupying each rail. There was an isolated railway spike identified adjacent to the middle railway spur on the north side. The spur was most likely built to service the Dow Chemical plant and other industrial operations occupying the property during the historic period. No accounts of service sheds or buildings to house the railway cars are documented on the property. The rails, ties, and ballast are of similar type of materials and construction with other railroads.

Resource P-07-000806 has been previously recorded and recommended ineligible for listing on the NRHP/CRHR (Caipo 1999). The railway spurs do not possess significance in relation to any historic contexts or themes in the region. Although, they served as a corridor for industrial uses on the subject property, this utilitarian role lacks significance under any of the criteria for listing on the CRHR. The generalized transportation role does not convey significant themes of development (Criterion 1). The railway spurs are not directly associated with any significant individuals relating to the area's industrial development (Criterion 2). Further, as a freight corridor with standard and commonly constructed infrastructure features, the line does not convey any significant engineering or architectural features (Criterion 3). Finally, this type of freight infrastructure is otherwise well documented, and the spurs do not appear to be a principal source of information in this regard (Criterion 4). In addition, the railway spurs, like numerous other historic-era railroads that remain in use today, have substantially lost their historic integrity due to repeated upgrading and other physical alterations and therefore do not appear to meet any of the criteria for listing on the CRHR.

Resource REJ-092223-STR-01 was apparently constructed during the 1950s and part of the original infrastructure of the Dow Chemical Plant along with at least four buildings and the railroad spurs. As mentioned above, the water tower is approximately 100 feet in height and 50 feet in diameter. The structure consists of a round tank with four tank support columns (legs) constructed from steel and a riser pipe down the middle. Around the tank is a balcony with a handrail. The southeast leg has a ladder running from the ground up to the tank. Three levels of support struts and four levels of tie rods are present. The integrity of the resource is poor due to Dow Chemical's ceasing onsite operations by the early 1980s, followed by several decades of alternative property use and neglect.



The water tower does not possess significance in relation to any historic contexts or themes in the region. Although, it served as a water supply resource for industrial uses on the subject property, this utilitarian role lacks significance under any of the criteria for listing on the CRHR. Built in the 1950s and in use to the early 1980s to specifically support operations at the Dow Chemical Plant, the water tower is not a good reflection of broader events within the historic context of the development of the Pittsburg area (Criterion 1). Despite extensive research, no information was identified that the water tower is directly associated with any significant individuals or events relating to the area's industrial development (Criterion 2). The water tower was constructed in similar fashion to other water towers from that period and was not showing to be a pioneering or exceptional example of the standard and common style water tower. Insufficient information was found demonstrating that the water tower conveys significance as an excellent or notable example of design or civil engineering. The water tower fails to convey special elements of notable, innovative or early engineering or architectural design. In addition, the water tower does not convey significance of design, materials, craftsmanship or feeling from its period of significance. The water tower does not exemplify a specific era of history of the city and does not exemplify the best remaining architectural or engineering type in the city or region. Furthermore, it does not possess high aesthetic or artistic value (Criterion 3). The water tower appears to only have been in use from the 1950s through the 1980s, when the Dow Chemical Plant ceased operations on the property, and is not an adequate measure for information pertaining to the local history of the area, California, or the nation (Criterion 4). Therefore, resource REJ-092223-STR-01 is recommended as ineligible for listing on the CRHR.

7.0 Conclusion and Recommendations

TRC conducted a literature records search and an intensive-level survey of the 24-acre Project Area formerly operated by the Dow Chemical Plant. The Project Area was heavily disturbed due to decades of prior development of the subject property with large portions of the Project Area covered by pavement or fill. In areas where native soils were exposed ground surface visibility was good. During the cultural resources survey, two historic-era built environment resources constructed by the Dow Chemical Plant during the 1950s to support manufacturing operations were recorded in the Project Area. The resources consist of an updated railway spur of the Atchison, Topeka & Santa Fe Railroad (P-07-000806/CA-CCO-732) and an inactive water tower (REJ-092223-STR-01). The Dow Chemical Plant was in operation from the 1950s and ceased operations in the early 1980s. The water tower is no longer in use and the railway spurs remain active today.

Through various avenues of historic background research, neither the railway spurs nor the water tower appear to qualify as “an important example” of its type, period, region, or method of construction, nor do they express any ideals or design concepts more fully than other similar railway spurs and water towers in the region. Despite extensive research, no person(s) or event(s) of recognized significance in national, state, or local history have been revealed in association with these resources. Additionally, there is no evidence that they represent the work of a prominent architect, designer, or builder.

Based on the research presented herein, TRC recommends resources REJ-092223-STR-01 and the updated rail spur (P-07-000806) as not eligible for listing on the California Register of Historical Resources, and accordingly do not meet the official definition of a “historical resource,” as defined in CEQA. The research potential at both resources has been exhausted, and few meaningful conclusions can be drawn from further study. Recordation of the sites has been completed and DPR forms will be filed with the NWIC. No other cultural resources were identified within the Project Area during the course of this study.

Therefore, TRC recommends that the City of Pittsburg may reach a finding of No Impact regarding cultural resources. Historical imagery indicates that the Project Area and vicinity had been significantly modified for many decades to support industrial developments and the likelihood of encountering subsurface cultural resources is low. No further cultural resources investigation is recommended for the proposed project unless project plans undergo such changes as to include areas not covered by this study. However, if buried cultural materials are encountered during any ground-disturbing activities associated with the project, all work in that area should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

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Appendix A: Resumes

TRC Cultural Resource Senior Staff conducted the survey effort. These individuals meet the professional qualification standards in Archaeology, Historic Preservation, and Architectural History, as set forth by the Secretary of the Interior (Standards and Guidelines, *Federal Register* Vol. 48, No. 190, September 28, 1983).

Person and Position

Matthew Wetherbee, MSc. *Paleoecology of Human Societies, Register of Professional Archaeologists (RPA)*

Position and Project Role: Cultural Resources Lead – West Coast/Principal Investigator, Report Author

Mr. Wetherbee is an archaeologist with 18 years of cultural resources management (CRM) experience focused on prehistory throughout California and the Pacific Northwest. He has managed multiple small and large-scale residential and commercial projects for environmental firms, and high-profile capital projects and operations and maintenance environmental compliance programs. This work includes pre-field research, cultural resources surveys, significant assessments for California Register of Historical Resources (CRHR) and National Register of Historical Places (NRHP), developing and reviewing mitigation recommendations, preparing technical reports and agreement documents, and reviewing consultants work according to state and federal heritage laws and regulations such as California Environmental Quality Act (CEQA), Washington State Environmental Policy Act (SEPA), and Section 106 and 110 of the National Historic Preservation Act (NHPA) for protecting cultural resources.

Ronald Johnson, MA. *Anthropology, RPA*

Position and Project Role: Field Director

Mr. Johnson is a professional archaeologist with an emphasis on settlement patterning. His experience includes various projects in the United States and abroad and has particular experience throughout California and in northwestern Nevada. Mr. Johnson has ample understanding and familiarity of cultural resource management through archaeological monitoring, survey, assessment, and evaluation with multiple consulting firms throughout southern and northern California. Mr. Johnson permitted as a field director on Bureau of Land Management (BLM), United States Forest Service (USFS), and US National Park Service (NPS) lands throughout California. This demonstrates his abilities to identify and assess surface and subsurface archaeological deposits and contribute towards evaluations for cultural resources as defined by the NRHP. He has experience working with agencies and private utilities in accordance with local, state, and national preservation guidelines, including Section 106 of the NHPA, Archaeological Resources Protection Act (ARPA), CEQA and Native American Graves Protection and Repatriation Act (NAGPRA). Additionally, Mr. Johnson has extensive experience with adhering to various facility safety protocols and procedures related to fire support, working in confined spaces, and hydroelectric projects. In addition to being a cultural resources specialist, Mr. Johnson is currently gaining experience in land planning and project management.



Appendix B:
Native American Coordination Documentation

NATIVE AMERICAN HERITAGE COMMISSION

August 7, 2023

Matthew Wetherbee
TRCVia Email to: mwetherbee@trccompanies.com

Re: H-Cycle Thermal Conversion Project, Contra Costa County

To Whom It May Concern:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Cody.Campagne@nahc.ca.gov.

Sincerely,

Cody Campagne
Cultural Resources Analyst

Attachment

ACTING CHAIRPERSON
Reginald Pagaling
ChumashSECRETARY
Sara Dutschke
MiwokCOMMISSIONER
Isaac Bojorquez
Ohlone-CostanoanCOMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki,
NomlakiCOMMISSIONER
Wayne Nelson
LuiseñoCOMMISSIONER
Stanley Rodriguez
KumeyaayCOMMISSIONER
VacantCOMMISSIONER
VacantCOMMISSIONER
VacantEXECUTIVE SECRETARY
Raymond C.
Hitchcock
Miwok, NisenanNAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

**Native American Heritage Commission
Native American Contact List
Contra Costa County
8/7/2023**

County	Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
Contra Costa	Amah Mutsun Tribal Band of Mission San Juan Bautista	N	Irene Zwierlein, Chairperson	3030 Soda Bay Road Lakeport, CA, 95453	(650) 851-7489	(650) 332-1526	amahmutsuntribal@gmail.com	Costanoan	Alameda, Contra Costa, Monterey, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz	
	Chicken Ranch Rancheria of Me-Wuk Indians	F	Lloyd Mathiesen, Chairperson	P.O. Box 1159 Jamestown, CA, 95327	(209) 984-9066	(209) 984-9269	lmathiesen@ctrtribal.com	Me-Wuk	Alameda, Amador, Calaveras, Contra Costa, El Dorado, Fresno, Madera, Mariposa, Merced, Mono, Sacramento, San	
	Confederated Villages of Lisjan Nation	N	Deja Gould, Language Program Manager	10926 Edes Ave Oakland, CA, 94603	(510) 575-8408		cvtribe@gmail.com	Bay Miwok Ohlone Delta Yokut	Alameda, Contra Costa, Sacramento, San Joaquin, Santa Clara, Solano, Stanislaus	3/22/2023
	Confederated Villages of Lisjan Nation	N	Cheyenne Gould, Tribal Cultural Resource Manager	10926 Edes Ave Oakland, CA, 94603	(510) 575-8408		cvtribe@gmail.com	Bay Miwok Ohlone Delta Yokut	Alameda, Contra Costa, Sacramento, San Joaquin, Santa Clara, Solano, Stanislaus	3/22/2023
	Confederated Villages of Lisjan Nation	N	Corrina Gould, Chairperson	10926 Edes Avenue Oakland, CA, 94603	(510) 575-8408		cvtribe@gmail.com	Bay Miwok Ohlone Delta Yokut	Alameda, Contra Costa, Sacramento, San Joaquin, Santa Clara, Solano, Stanislaus	3/22/2023
	Guidiville Rancheria of California	F	Michael Derry, Historian	PO Box 339 Talmage, CA, 95481	(707) 391-1665		historian@guidiville.net	Pomo	Alameda, Contra Costa, Lake, Marin, Mendocino, Napa, Sacramento, San Joaquin, Solano, Sonoma	6/21/2023
	Guidiville Rancheria of California	F	Bunny Tarin, Tribal Administrator	PO Box 339 Talmage, CA, 95481	(707) 462-3682		admin@guidiville.net	Pomo	Alameda, Contra Costa, Lake, Marin, Mendocino, Napa, Sacramento, San Joaquin, Solano, Sonoma	6/21/2023
	Indian Canyon Mutsun Band of Costanoan	N	Karyon Sayers-Roods, MLD Contact	1615 Pearson Court San Jose, CA, 95122	(408) 673-0626		karyon@karyonconsulting.com	Costanoan	Alameda, Contra Costa, Monterey, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz	4/17/2018
	Indian Canyon Mutsun Band of Costanoan	N	Ann Marie Sayers, Chairperson	P.O. Box 28 Hollister, CA, 95024	(831) 637-4238		ams@indiancanyon.org	Costanoan	Alameda, Contra Costa, Monterey, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz	
	Muwekma Ohlone Indian Tribe of the SF Bay Area	N	Monica Arellano, Vice Chairwoman	20885 Redwood Road, Suite 232 Castro Valley, CA, 94546	(408) 205-9714		monicavarellano@gmail.com	Costanoan	Alameda, Contra Costa, Marin, Merced, Napa, Sacramento, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Solano, Stanislaus	7/12/2019
	Nashville Enterprise Miwok-Maidu-Nishinam Tribe	N	Cosme Valdez, Chairperson	P.O. Box 580986 Elk Grove, CA, 95758-0017	(916) 396-1173		valdezcome@comcast.net	Miwok	Alameda, Contra Costa, Monterey, Merced, Mono, Sacramento, San	7/17/2023
	Nashville Enterprise Miwok-Maidu-Nishinam Tribe	N	Leland Valdez, Cultural Resources		(916) 429-8047			Miwok	Alameda, Amador, Calaveras, Contra Costa, El Dorado, Fresno, Madera, Mariposa, Merced, Mono, Sacramento, San	7/17/2023
	North Valley Yokuts Tribe	N	Katherine Perez, Chairperson	P.O. Box 717 Linden, CA, 95236	(209) 887-3415		canutes@verizon.net	Costanoan Northern Valley Yokut	Alameda, Calaveras, Contra Costa, Fresno, Madera, Mariposa, Merced, Sacramento, San Benito, San Joaquin, Santa	
	North Valley Yokuts Tribe	N	Timothy Perez,	P.O. Box 717 Linden, CA, 95236	(209) 662-2788		huskanam@gmail.com	Costanoan Northern Valley Yokut	Alameda, Calaveras, Contra Costa, Fresno, Madera, Mariposa, Merced, Sacramento, San Benito, San Joaquin, Santa	5/12/2020
	The Ohlone Indian Tribe	N	Desiree Vigil, THPO	1775 Marco Polo Way, Apt. 21 Burlingame, CA, 94010	(650) 290-0245		dirwin368@yahoo.com	Bay Miwok Ohlone Patwin	Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara	7/24/2023
	The Ohlone Indian Tribe	N	Vincent Medina, Tribal Consultant	17365 Via Del Rey San Lorenzo, CA, 94580	(510) 610-7587		vincent.d.medina@gmail.com	Bay Miwok Ohlone Patwin	Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara	7/24/2023
	The Ohlone Indian Tribe	N	Andrew Galvan, Chairperson	P.O. Box 3388 Fremont, CA, 94539	Phone: (510) 882-0527	(510) 687-9393	chochenyo@AOL.com	Bay Miwok Ohlone Patwin	Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara	7/24/2023
	Tule River Indian Tribe	F	Neil Peyron, Chairperson	P.O. Box 589 Porterville, CA, 93258	(559) 781-4271	(559) 781-4610	neil.peyron@tulerivertribe-nsn.gov	Yokut	Alameda, Amador, Calaveras, Contra Costa, Fresno, Inyo, Kern, Kings, Madera, Mariposa, Merced, Monterey, Sacramento, San	
	Tule River Indian Tribe	F	Kerri Vera, Environmental Department	P. O. Box 589 Porterville, CA, 93258	(559) 783-8892	(559) 783-8932	kerri.vera@tulerivertribe-nsn.gov	Yokut	Alameda, Amador, Calaveras, Contra Costa, Fresno, Inyo, Kern, Kings, Madera, Mariposa, Merced, Monterey, Sacramento, San	7/22/2016
	Tule River Indian Tribe	F	Joey Garfield, Tribal Archaeologist	P. O. Box 589 Porterville, CA, 93258	(559) 783-8892	(559) 783-8932	joey.garfield@tulerivertribe-nsn.gov	Yokut	Alameda, Amador, Calaveras, Contra Costa, Fresno, Inyo, Kern, Kings, Madera, Mariposa, Merced, Monterey, Sacramento, San	7/22/2016
	Wilton Rancheria	F	Dahilton Brown, Director of Administration	9728 Kent Street Elk Grove, CA, 95624	(916) 683-6000		dbrown@wiltonrancheria-nsn.gov	Miwok	Alameda, Alpine, Amador, Contra Costa, El Dorado, Mono, Nevada, Placer, Sacramento, San Joaquin, Solano, Stanislaus, Sutter, Yolo, Yuba	6/25/2020
	Wilton Rancheria	F	Jesus Tarango, Chairperson	9728 Kent Street Elk Grove, CA, 95624	(916) 683-6000	(916) 683-6015	jtaranago@wiltonrancheria-nsn.gov	Miwok	Alameda, Alpine, Amador, Contra Costa, El Dorado, Mono, Nevada, Placer, Sacramento, San Joaquin, Solano, Stanislaus, Sutter, Yolo, Yuba	
	Wilton Rancheria	F	Steven Hutchason, THPO	9728 Kent Street Elk Grove, CA, 95624	(916) 683-6000	(916) 863-6015	shutchason@wiltonrancheria-nsn.gov	Miwok	Alameda, Alpine, Amador, Contra Costa, El Dorado, Mono, Nevada, Placer, Sacramento, San Joaquin, Solano, Stanislaus, Sutter, Yolo, Yuba	10/28/2020

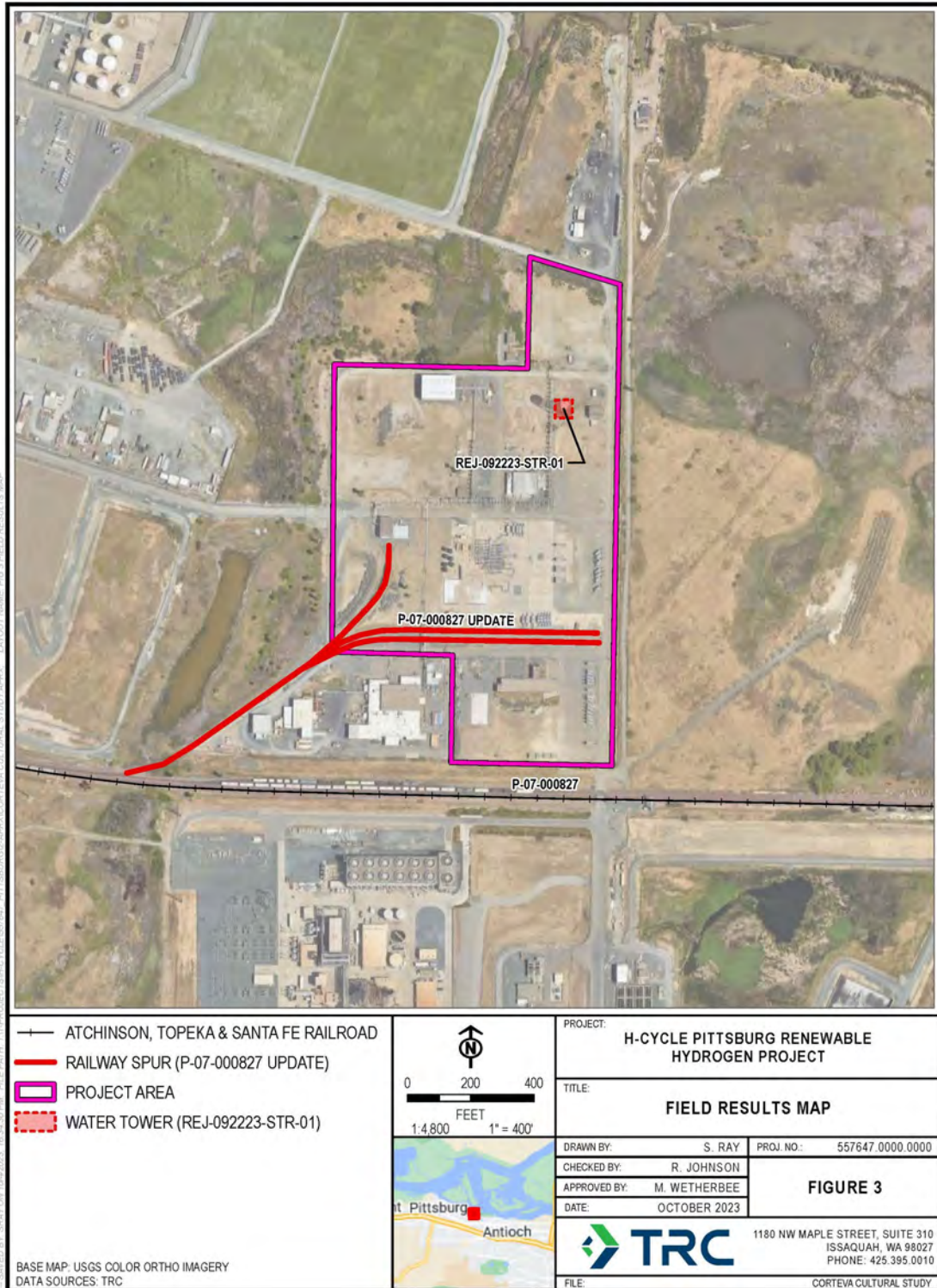
This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed H-Cycle Thermal Conversion Project, Contra Costa County.

Record: PR03-2023-003915
Report Type: List of Tribes
Counties: Contra Costa
NAHC Group: All



Appendix C:
Field Results and Resource Location Map
Not for Public Distribution



Field Results and Resource Location Map



Appendix D:

**State of California Department of Parks and
Recreation 523 Series Forms**

Not for Public Distribution

Other Listings
 Review Code

Reviewer

Date

P1. Other Identifier:

*P2. Location: Not for Publication Unrestricted

*a. County: Contra Costa

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Antioch North

Date:

T 2N ; R 1E ;

¼ of

¼ of Sec

; M.D. B.M.

c. Address:

City:

Zip:

d. UTM: Zone: 10 ; 601326.44mE/ 4208699.56mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation:

From the intersection of California Ave and Loveridge Road continue 0.39 miles north-northeast towards Pittsburg Antioch Highway. Turn right (east) on Pittsburg Antioch Highway and continue for 0.96 miles. Turn left (north) onto Arcy Lane and continue north for 0.47 miles until you come to a locked gate. The resource is located 382 feet north of the locked gate.

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries) The Atchison, Topeka & Santa Fe Railroad (P-07-000806/CA-CCO-732) was originally established in the latter half of the 19th century just south of the current Project Area traversing in an east-west direction. The railway spur was established in the 1950s diverting from the mainline and heading in a northeast direction into the subject property. At the southwestern section of the Project Area, the spur splits into three railway spurs with two spurs running west to east for approximately 875 feet terminating near the eastern boundary of the property. The third railway spur runs from south to north for 400 feet towards an unknown building. Currently there are train cars occupying each rail. There was an isolated railway spike identified adjacent to the middle railway spur on the north side. The spur was most likely built to service the Dow Chemical plant and other industrial operations occupying the property during the historic period. No accounts of service sheds or buildings to house the railway cars are documented on the property. The rails, ties, and ballast are of similar type of materials and construction with other railroads.

*P3b. **Resource Attributes:** (List attributes and codes) HP17. Railroad Depot: Stations and other buildings connected to the operation of railroads and streetcars. E.g., sheds, roundhouses, etc.

*P4. **Resources Present:** Building Structure Object Site District Element of District Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #) Overview of three railway spurs, facing east, 9/22/2023.

*P6. **Date Constructed/Age and Sources:** Historic Prehistoric Both

*P7. **Owner and Address:**
 H-Cycle 444 Castro Street,
 Suite 710
 Mountain View, CA 94041

*P8. **Recorded by:** (Name, affiliation, and address)
 Ronnie Johnson and Susan Talcott
 TRC
 10680 White Rock Road, Suite 100
 Rancho Cordova, CA 95670

*P9. **Date Recorded:** 9/22/2023

*P10. **Survey Type:** Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.") Wetherbee, Matthew and Ronnie Johnson. 2023. Cultural

Resources Assessment for the H-Cycle Pittsburg Renewable Hydrogen Project, City of Pittsburg, Contra Costa County, California.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photograph Record Other (List):

L1. Historic and/or Common Name: Atchison, Topeka & Santa Fe Railroad

L2a. Portion Described: Entire Resource Segment Point Observation **Designation:**

b. Location of point or segment: (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map)

Railway spur starting point diverting from Atchinson, Topeka & Santa Fe Railroad: 10S, 601146.50 mE, 4208574.88 mN

North railway spur endpoint: 10S, 601373.06 mE, 4208797.44 mN

Central railway spur endpoint: 10S, 601580.37 mE, 4208718.50 mN

South railway spur endpoint: 10S, 601580.92 mE, 4208709.26 mN

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)

Three railway spurs divert from the Atchison, Topeka & Santa Fe Railroad (P-07-000806). Two of the railway spurs run west to east extending from P-07-000806 approximately 875 feet. The third railway spur runs from south to north for 400 feet to an unknown storage building. Based on historic aerials the railway spurs were constructed sometime around 1957.

L4. Dimensions: (In feet for historic features and meters for prehistoric features)

a. Top Width: 5 feet

b. Bottom Width: 5 feet

c. Height or Depth: 1 foot

d. Length of Segment: 400 feet and 875 feet

L5. Associated Resources:

Isolated railway spike location:

10S, 601344.94 mE, 4208714.31 mN

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)

The resource is located within an industrial setting. Dowest Slough is located adjacent to the resource to the west.

L7. Integrity Considerations:

Railway spur is not eligible for listing on the California Register of Historical Resources as

Caipo (1999) determined P-07-000806 does not appear to meet the criteria for listing in the CRHR or the NRHP.

L4e. Sketch of Cross-Section (include scale) **Facing:** East



L8a. Photograph, Map or Drawing



L8b. Description of Photo, Map, or Drawing (View, scale, etc.) Map of three railway spurs extending from Atchison, Topeka & Santa Fe Railroad (P-07-000806).

L9. Remarks:

The property is currently used by GENERON, an industrial gas supplier, and Cameron Process Systems, an oil and natural gas company.

L10. Form Prepared by: (Name, affiliation, and address)

Ronnie Johnson

TRC

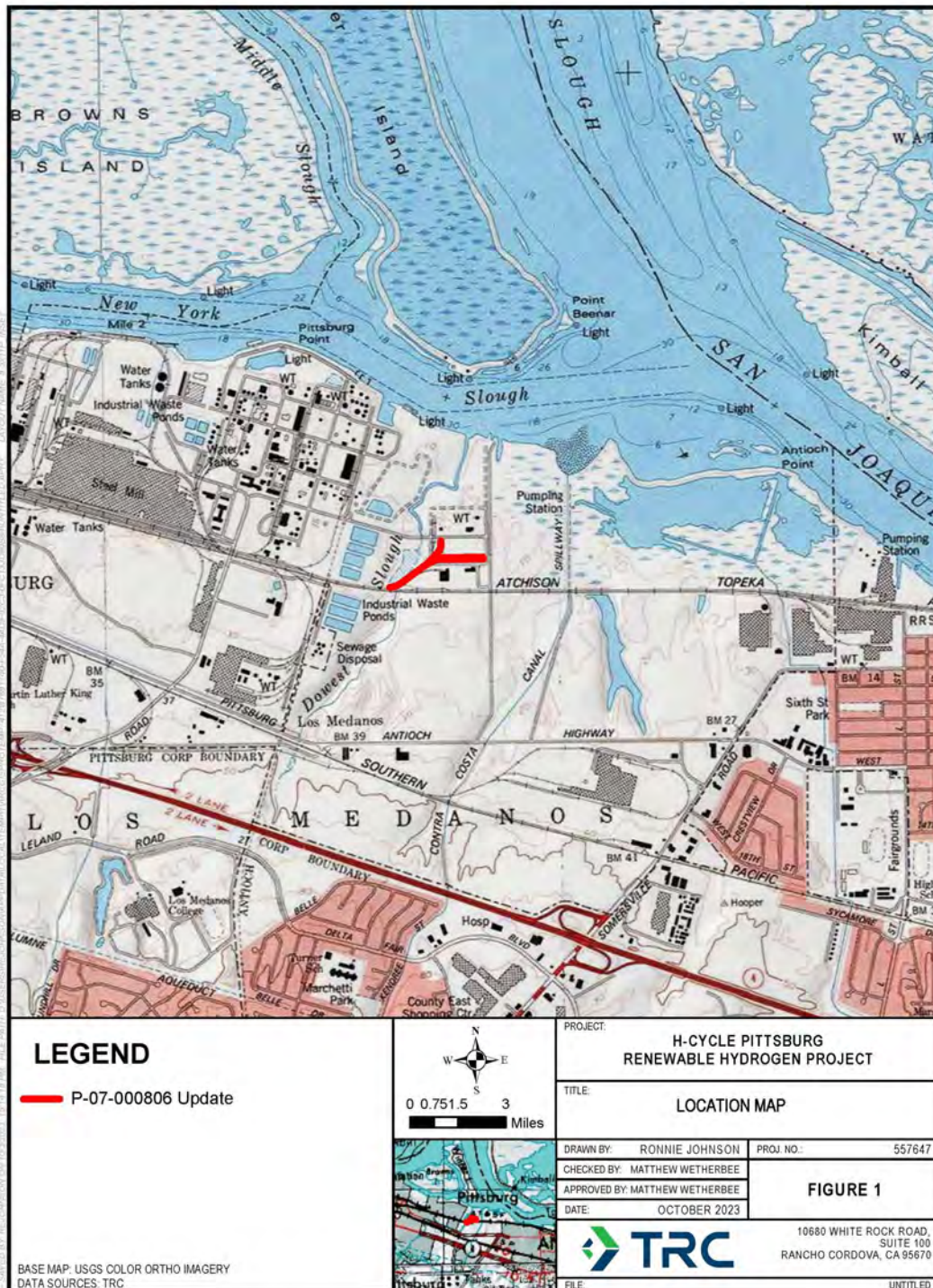
10680 White Rock Road, Suite
100 Rancho Cordova, CA 95670

L11. Date: 9/23/2023

*Map Name: Antioch North

*Scale: 1:24000

*Date of map: 2003



Other Listings
Review Code

Reviewer

Date

Page 1 of 3

*Resource Name or #: REJ-092223-STR-01

P1. Other Identifier:

*P2. Location: Not for Publication Unrestricted

*a. County: Contra Costa

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Antioch North

Date:

T 2N ; R 1E ; ¼ of ¼ of Sec ; M.D. B.M.

c. Address:

City:

Zip:

d. UTM: Zone: 10 ; 601540.91mE/ 4208929.49mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation:

From the intersection of California Ave and Loveridge Road continue 0.39 miles north-northeast towards Pittsburg Antioch Highway. Turn right (east) on Pittsburg Antioch Highway and continue for 0.96 miles. Turn left (north) onto Arcy Lane and continue north for 0.47 miles until you come to a locked gate. The resource is located 0.20 miles north of the locked gate.

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The H-Cycle Pittsburg Renewable Hydrogen Project (HCPRHP) proposes to develop a facility for converting municipal waste to hydrogen for use in industrial and heavy-duty transportation sectors. TRC conducted a cultural resources survey in September 2023 to determine whether previously recorded or unrecorded cultural resources are located in the project area, and to aid H-Cycle and the City of Pittsburg in avoiding impacts to these resources during project implementation. Located at the northeastern section of the project is a historic-era water tower built by the Dow Chemical Plant to service manufacturing operations on the property in the 1950s. No artifacts or features were identified in associated with this water tower. Below the water tower, the surface consisted of a mixture of pavement, gravel, and low-lying shrubs intermixed with modern trash. The water tower is approximately 100 feet in height and 30 feet in diameter.

*P3b. Resource Attributes: (List attributes and codes) HP11. Engineering Structure: A structure not covered in any other category. E.g., docks, runways, water towers, etc.

*P4. Resources Present: Building Structure Object Site District Element of District Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #) Overview of water tower, facing north, 9/22/2023

*P6. Date Constructed/Age and Sources: Historic Prehistoric Both

*P7. Owner and Address: H-Cycle 444 Castro Street, Suite 710 Mountain View, CA 94041

*P8. Recorded by: (Name, affiliation, and address) Ronnie Johnson and Susan Talcott TRC 10680 White Rock Road, Suite 100 Rancho Cordova, CA 95670

*P9. Date Recorded: 9/22/2023

*P10. Survey Type: Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.") Wetherbee, Matthew and Ronnie Johnson. 2023. Cultural Resources Assessment for the H-

Cycle Pittsburg Renewable Hydrogen Project, City of Pittsburg, Contra Costa County, California.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photograph Record Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

- B1. Historic Name: None
- B2. Common Name: None
- B3. Original Use: Unknown
- B4. Present Use: None

*B5. **Architectural Style:** The reservoir tower is cylindrical

*B6. **Construction History:** (Construction date, alterations, and date of alterations)

Based on historic aerials, the water tower was constructed sometime in 1957-1958 and part of the original infrastructure of the Dow Chemical Plant along with at least four buildings and the rails spurs.

*B7. **Moved?** No Yes Unknown **Date:** ca.1950s **Original Location:** Yes

*B8. **Related Features:** The structure consists of a round tank with four tank support columns (legs) constructed from steel and a riser pipe down the middle. Around the tank is a balcony with a handrail. The southeast leg has a ladder running from the ground up to the tank and three levels of support struts and four levels of tie rods are present. The integrity of the resource is poor due to Dow Chemical's ceasing onsite operations by the early 1980s, followed by several decades of alternative property use and neglect.

B9a. Architect: Unknown (possibly Dow Chemical Plant)

b. Builder: Unknown

*B10. **Significance: Theme:** Rail Transportation

Area: Pittsburg, Ca

Period of Significance: ca. 1957-1958

Property Type: industrial gas supplier, oil and natural gas company.

Applicable Criteria:

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The water tower remains on the property to the present day and most of the other structures have been demolished; all other standing structures on the property appear to be of recent age. The water tower does not possess significance in relation to any historic contexts or themes in the region. Although, it served as a water supply resource for industrial uses on the subject property, this utilitarian role lacks significance under any of the criteria for listing on the CRHR. Built in the 1950s and in use to the early 1980s to specifically support operations at the Dow Chemical Plant, the water tower is not a good reflection of broader events within the historic context of the development of the Pittsburg area (Criterion 1). Despite extensive research, no information was identified that the water tower is directly associated with any significant individuals or events relating to the area's industrial development (Criterion 2). The water tower was constructed in similar fashion to other water towers from that time period and was not showing to be a pioneering or exceptional example of the standard and common style water tower. Insufficient information was found demonstrating that the water tower conveys significance as an excellent or notable example of design or civil engineering. The water towers fails to convey special elements of notable, innovative or early engineering or architectural design. In addition, the water tower does not convey significance of design, materials, craftsmanship or feeling from its period of significance. The water tower does not exemplify a specific era of history of the city and does not exemplify the best remaining architectural or engineering type in the city or region. Furthermore, it does not possess high aesthetic or artistic value (Criterion 3). The water tower appears to only have been in use from the 1950s through to 1980s when the Dow Chemical Plant ceased operations on the property and is not an adequate measure for information pertaining to the local history of the area, California, or the nation (Criterion 4). Therefore, resource REJ-092223-STR-01 is recommended as ineligible for listing on the CRHR.

B11. Additional Resource Attributes: (List attributes and codes): HP11. Engineering Structure: A structure not covered in any other category. E.g., docks, runways, water towers, etc.

*B12. **References:** None

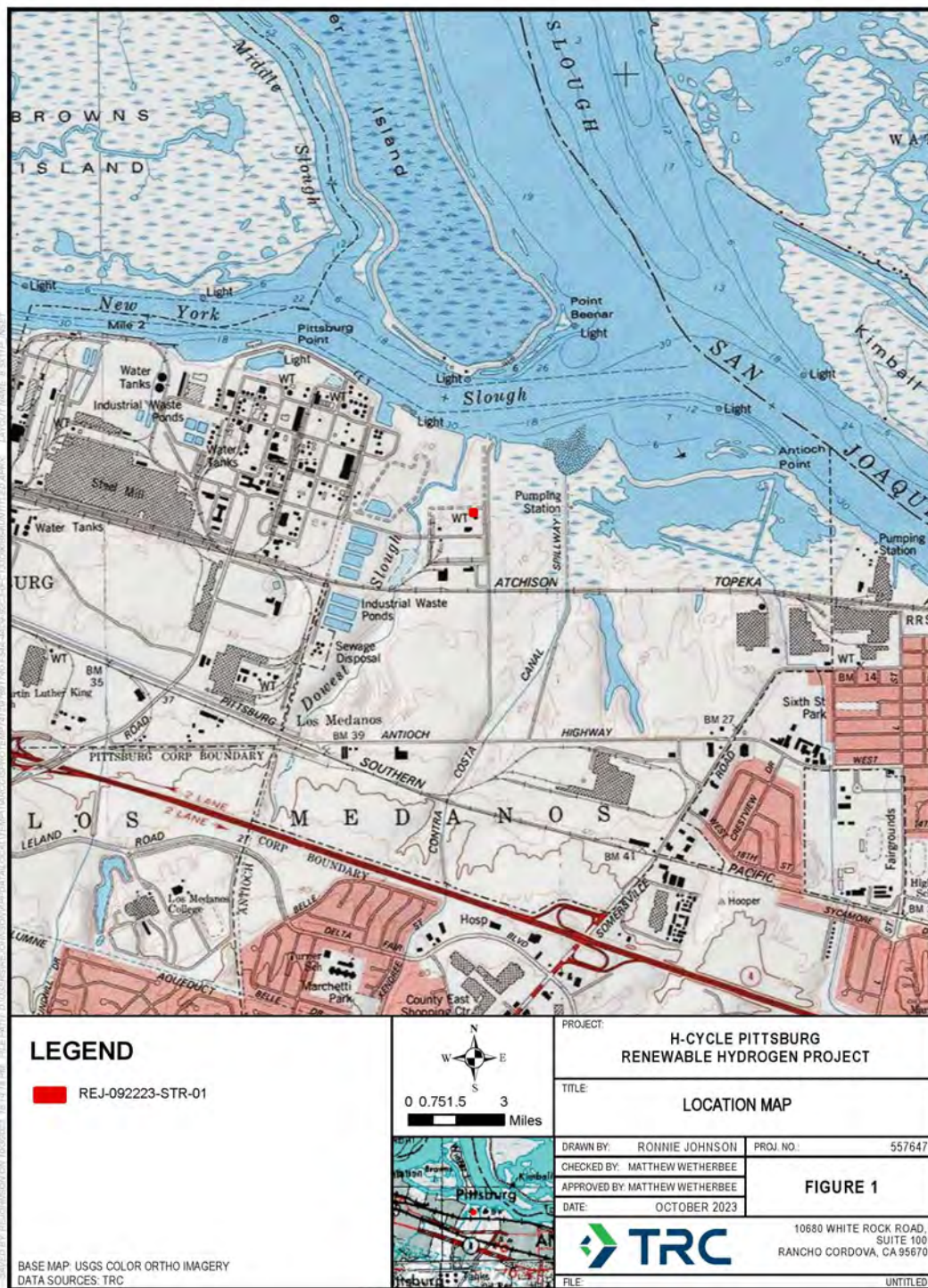
B13. Remarks: None

*B14. **Evaluator:** Ronnie Johnson and Matthew Wetherbee, TRC

*Date of Evaluation: 9/22/2023

(This space reserved for official comments.)





Appendix F: Energy/Fuel Use

CONSTRUCTION ON-ROAD TRANSPORTATION and MOBILE SOURCE FUEL USE

Defaults from CalEEMod

Demolition

Trip Type	# One way trips/day	trip length (miles/one way trip)	vehicle class	work days/phase	miles/phase	Fuel Use (1000 gal/phase)
Worker	15	11.7	LDA,LDT1,LDT2	20	3510	9.23E-02
Vendor	0	8.4	HHDT,MHDT	20	0	
Hauling	0	20	HHDT	20	0	
Onsite Truck	0	0	HHDT	20	0	

Site Preparation

Trip Type	# One way trips/day	trip length (miles/one way trip)	vehicle class	work days/phase	miles/phase	Fuel Use (1000 gal/phase)
Worker	10	11.7	LDA,LDT1,LDT2	10	1170	3.08E-02
Vendor	0	8.4	HHDT,MHDT	10	0	
Hauling	0	20	HHDT	10	0	
Onsite Truck	0	0	HHDT	10	0	

Grading

Trip Type	# One way trips/day	trip length (miles/one way trip)	vehicle class	work days/phase	miles/phase	Fuel Use (1000 gal/phase)
Worker	35	11.7	LDA,LDT1,LDT2	30	12285	3.23E-01
Vendor	0	8.4	HHDT,MHDT	30	0	
Hauling	0	20	HHDT	30	0	
Onsite Truck	0	0	HHDT	30	0	

Building Construction

Trip Type	# One way trips/day	trip length (miles/one way trip)	vehicle class	work days/phase	miles/phase	Fuel Use (1000 gal/phase)
Worker	249	11.7	LDA,LDT1,LDT2	300	873990	2.30E+01
Vendor	97	8.4	HHDT,MHDT	300	244440	4.09E+01
Hauling	0	20	HHDT	300	0	
Onsite Truck	0	0	HHDT	300	0	

Paving

Trip Type	# One way trips/day	trip length (miles/one way trip)	vehicle class	work days/phase	miles/phase	Fuel Use (1000 gal/phase)
Worker	68	11.7	LDA,LDT1,LDT2	20	15912	4.18E-01
Vendor	0	8.4	HHDT,MHDT	20	0	
Hauling	0	20	HHDT	20	0	
Onsite Truck	0	0	HHDT	20	0	

Architectural Coating

Trip Type	# One way trips/day	trip length (miles/one way trip)	vehicle class	work days/phase	miles/phase	Fuel Use (1000 gal/phase)
Worker	50	11.7	LDA,LDT1,LDT2	20	11700	3.08E-01
Vendor	0	8.4	HHDT,MHDT	20	0	
Hauling	0	20	HHDT	20	0	
Onsite Truck	0	0	HHDT	20	0	

Total Fuel Use (1000 gal/construction duration) = 6.51E+01

Total Fuel Use (gallons) = 65,102

CONSTRUCTION OFF-ROAD FUELS USE

Month-->>	H Cycle Estimated horsepower	Fuel Usage (gal/mo)		Fuel Usage (gal/mo)
		0	1	
Construction Equipment & Lifting Equipment				
Crane 280 Ton	650			
Crane 180 Ton	489			
Crane 80 Ton	300		1	21.32196162
Crane 50 Ton	260			
Crane 20 Ton	110		1	7.818052594
Forklift ,5 Ton	84		2	11.94029851
Earthmoving & Concrete				
Excavator , 1.5. CY (49,000	150		2	21.32196162
Loader/Backhoe (60-90 HP	75		1	5.330490405
Payloader 2 CY	125			
Bobcat Payloader	85			
Grader 12E (CAT 140/150	200			
Roller Compactor 5 T (84"	46			
Roller /Compactor 1 Ton (14			
Concrete Pump	60		1	4.264392324
Bucket 1 CY	75			
Piledriver	335			
Trucks -Heavy Duty				
Truck Dump 12 CY	350			
Truck Flatbed w/ Hydraulic	350			
Truck Stakebed 5 Ton	400		1	28.42928216
Truck Water, 4000 G	330		1	23.45415778
Truck Lube and Fuel Comb	330		1	23.45415778
Trucks- Light Duty /Bus				
Pickup 1/2 Ton	400		3	85.28784648
SUV Medium	300		2	42.64392324
UTV 4WD DSL 4SEAT ROPS	32			
Manlifts				
Manlifts 45 FT	50			
Scissor Lift 45 FT	electric			
Site prep equipment				
330 CAT Excavator with Pu	275	0.75	14.66	
336 CAT Excavator with Pu	302	0.75	16.10	
374 CAT Excavator with Bu	485	0.75	25.85	
S330 Bobcat Skid Steer Lo	85	0.75	4.53	
Total gal/mo		61.14		275.27

Fuel Usage (gal/mo)		Fuel Usage (gal/mo)		Fuel Usage (gal/mo)		Fuel Usage (gal/mo)	
2	3	4	5				
1	34.7547974	2	69.5095949	2	69.50959488	3	104.2643923
1	21.3219616	2	42.6439232	2	42.64392324	3	63.96588486
2	36.9580668	3	55.4371002	6	110.8742004	10	184.790334
1	7.81805259	3	23.4541578	4	31.27221038	6	46.90831557
3	17.9104478	3	17.9104478	3	17.91044776	3	17.91044776
2	21.3219616	2	21.3219616	2	21.32196162	2	21.32196162
1	5.33049041	1	5.33049041	1	5.330490405	1	5.330490405
1	8.88415068	1	8.88415068	1	8.884150675	1	8.884150675
1	6.04122246	1	6.04122246	1	6.041222459	1	6.041222459
2	1.99004975	2	1.99004975	2	1.990049751	2	1.990049751
2	8.52878465	2	8.52878465	2	8.528784648	2	8.528784648
2	10.6609808	2	10.6609808	2	10.66098081	2	10.66098081
1	24.8756219	1	24.8756219	1	24.87562189	1	24.87562189
1	24.8756219	1	24.8756219	1	24.87562189	1	24.87562189
4	113.717129	5	142.146411	5	142.1464108	6	170.575693
1	23.4541578	1	23.4541578	1	23.45415778	1	23.45415778
1	23.4541578	1	23.4541578	1	23.45415778	1	23.45415778
4	113.717129	5	142.146411	5	142.1464108	5	142.1464108
2	42.6439232	2	42.6439232	2	42.64392324	2	42.64392324
1	2.27434257	4	9.09737029	8	18.19474058	8	18.19474058
5	17.7683014	5	17.7683014	5	17.76830135	5	17.76830135
2		2		2		2	
	568.30		722.17		794.53		968.59

Fuel Usage (gal/mo)		Fuel Usage (gal/mo)		Fuel Usage (gal/mo)		Fuel Usage (gal/mo)	
6		7		8		9	
		1	46.1975835	1	46.1975835	1	46.19758351
3	104.2643923	3	104.264392	3	104.264392	3	104.2643923
3	63.96588486	6	127.93177	6	127.93177	6	127.9317697
10	184.790334	10	184.790334	10	184.790334	10	184.790334
6	46.90831557	6	46.9083156	6	46.9083156	6	46.90831557
3	17.91044776	3	17.9104478	3	17.9104478	3	17.91044776
2	21.32196162	2	21.3219616	2	21.3219616	2	21.32196162
1	5.330490405	1	5.33049041	1	5.33049041	1	5.330490405
1	8.884150675	1	8.88415068	1	8.88415068	1	8.884150675
1	6.041222459	1	6.04122246	1	6.04122246	1	6.041222459
2	1.990049751	2	1.99004975	2	1.99004975	2	1.990049751
2	8.528784648	2	8.52878465	2	8.52878465	2	8.528784648
2	10.66098081	2	10.6609808	2	10.6609808	2	10.66098081
				1	23.8095238	1	23.80952381
1	24.87562189	1	24.8756219	1	24.8756219	1	24.87562189
1	24.87562189	1	24.8756219	1	24.8756219	1	24.87562189
6	170.575693	6	170.575693	6	170.575693	6	170.575693
1	23.45415778	1	23.4541578	1	23.4541578	1	23.45415778
1	23.45415778	1	23.4541578	1	23.4541578	1	23.45415778
5	142.1464108	5	142.146411	5	142.146411	5	142.1464108
2	42.64392324	2	42.6439232	2	42.6439232	2	42.64392324
8	18.19474058	8	18.1947406	8	18.1947406	8	18.19474058
5	17.76830135	5	17.7683014	5	17.7683014	5	17.76830135
2		2		2		2	
968.59		1,078.75		1,102.56		1,102.56	

	Fuel Usage (gal/mo)		Fuel Usage (gal/mo)		Fuel Usage (gal/mo)		Fuel Usage (gal/mo)
10		11		12		13	
1	46.19758351	1	46.19758351	1	46.19758351	1	46.19758351
3	104.2643923	2	69.50959488	2	69.50959488	1	34.75479744
6	127.9317697	6	127.9317697	6	127.9317697	1	21.32196162
10	184.790334	8	147.8322672	4	73.91613362	1	18.4790334
6	46.90831557	2	15.63610519	2	15.63610519	1	7.818052594
3	17.91044776	3	17.91044776	3	17.91044776	3	17.91044776
2	21.32196162	2	21.32196162				
1	5.330490405	1	5.330490405				
1	8.884150675	1	8.884150675	1	8.884150675		
1	6.041222459	1	6.041222459	1	6.041222459		
1	14.21464108						
1	3.269367448	1	3.269367448	1	3.269367448		
2	1.990049751	1	0.995024876				
2	8.528784648						
2	10.66098081						
1	24.87562189	1	24.87562189	1	24.87562189		
1	24.87562189	1	24.87562189	1	24.87562189	1	24.87562189
6	170.575693	6	170.575693	5	142.1464108	3	85.28784648
1	23.45415778	1	23.45415778	1	23.45415778		
1	23.45415778	1	23.45415778	1	23.45415778	1	23.45415778
5	142.1464108	5	142.1464108	5	142.1464108	5	142.1464108
2	42.64392324	2	42.64392324	2	42.64392324	2	42.64392324
8	18.19474058	8	18.19474058	8	18.19474058	4	9.097370291
5	17.76830135	5	17.76830135	5	17.76830135	5	17.76830135
2		2		2		2	
1,096.23		958.85		828.86		491.76	

Fuel Usage (gal/mo)		Fuel Usage (gal/mo)		Total Fuel Usage (gallons)
14		15		
				323
				973
1	21.3219616	1	21.3219616	1,087
				1,552
				391
2	11.9402985	2	11.9402985	251
				0
				235
				59
				98
				66
				14
				10
				19
				81
				96
				48
				0
				274
1	24.8756219			323
2	56.8585643	1	28.4292822	1,933
				281
				305
				0
3	85.2878465	3	85.2878465	1,933
1	21.3219616	1	21.3219616	597
4	9.09737029	4	9.09737029	202
				0
5	17.7683014	5	17.7683014	249
2		2		0
				0
				15
				16
				26
				5
248.47		195.17		11,462

FUEL USE CALCULATIONS - OPERATIONS NATURAL GAS for STATIONARY SOURCES

Boiler NG usage

from emission calcs spreadsheet:

Type of Fuel used:	Natural Gas and PSA Offgas	Normal Operation [Includes Natural Gas Combustion in SRM and Refining Chamber Burners]	Startup/ Shutdown
Max heat input by fuel type	Natural gas	40.00 MMBtu/hr	60.00 MMBtu/hr
	PSA Offgas	20.00 MMBtu/hr	0.00 MMBtu/hr
	Combined NG + PSA Offgas	60.00 MMBtu/hr	

Operation Schedule	Normal Operation of OMNI Unit	Startup/ Shutdown of OMNI Unit
Daily	24.0 hrs/day	24.0 hrs/day
Annual	8,200 hrs/year	272.0 hrs/year

Total boiler ng usage for normal operation =	328000 MMBtu/yr
Total boiler ng usage for su/sd =	16320 MMBtu/yr
TOTAL =	344320 MMBtu/yr

SRM NG Combustion

Type of Fuel used: Natural gas	Normal Operation	Startup/ Shutdown
Max Heat input for SRM burners	5.00 MMBtu/hr	14.97 MMBtu/hr
Max Heat input for refiner burners	0.00 MMBtu/hr	25.32 MMBtu/hr

Operation Schedule	Heat-up Stack SU	Heat-up Stack SD	Flare SU	Flare SD
Hours per event	48.0 hrs/event	2.0 hrs/event	10.0 hrs/event	8.0 hrs/event
SU/SD Annual	192 hrs/year	8 hrs/year	40 hrs/year	32 hrs/year
Number of SU/SD Events	4 events/year	4 events/year	4 events/year	4 events/year

ng usagefor normal operation =	41000 MMBtu/yr
ng usage for su =	9347.28 MMBtu/yr
ng usage for sd =	1611.6 MMBtu/yr
TOTAL =	51959 MMBtu/yr

Flare Pilot NG

Pilot fuel heat input (MMBtu/hr)	0.773
NG usage for flare pilot =	6773 MMBtu/yr

NATURAL GAS ANNUAL USE TOTAL =	403,052 MMBtu/yr
---------------------------------------	-------------------------

OPERATIONS TRANSPORTATION RELATED FUEL USE

Category	Description	Classification	Fuel Type	# motor vehicle round trips/yr	round trip miles	miles/yr	Total VMT (miles/day)	Fuel Consumption (1000 gal/day)	Fuel Usage (1000 gal/yr)
MV1	Motor vehicle (truck) deliveries of feedstock	Avg T7Class8	Diesel	11096	0	0	4.92E+04	8.11E+00	0.00E+00
MV2	Motor vehicle (truck) returns of screened feedstock	Avg T7Class8	Diesel	2600	100	260000	4.92E+04	8.11E+00	4.29E+01
MV3	Motor vehicle (truck) shipments of product hydrogen	Avg T7Class8	Diesel	14600	100	1460000	4.92E+04	8.11E+00	2.41E+02
MV4	Motor vehicle (truck) shipments of outbound refuse, slag, backup oxygen, water treatment chemicals, liquid fertilizer byproduct, spare and replacement parts and other consumables or disposal materials	Avg T7Class8	Diesel	3650	100	365000	4.92E+04	8.11E+00	6.02E+01
MV6	Off-road equipment (e.g.; front end loaders)	Avg T7Class8	Diesel	18,700	0.019	355.3	4.92E+04	8.11E+00	5.86E-02
MV7	Pickup trucks-g	T7IS	Gasoline	2438	0.5	1219	6.88E+01	1.57E-02	2.78E-01
MV8	Pickup trucks-d	Avg T7Class8	Diesel	2438	0.5	1219	4.92E+04	8.11E+00	2.01E-01
MV9	Worker motor vehicle commute trips	LDA	Gasoline	25	1000	25000	1.28E+07	4.07E+02	2.76E+02
						2,112,793		Diesel Total =	344,237
								Gasoline Total =	276,424
								Combined Total =	620,661

Appendix G: Phase I Environmental Site Assessment



PHASE I ENVIRONMENTAL SITE ASSESSMENT

Corteva Property on Pittsburg Waterfront Road
APN 073-220-049-8
Pittsburg, California 94565



Prepared For:
HC (Contra Costa)
1320 Willow Pass Road
Suite 600
Concord, CA 94520

Prepared By:
TRC
1850 Gateway Blvd, Suite 1000
Concord, California 94520

Prepared By:
Brian Mo
Staff Geologist

Reviewed by:
Gary Lieberman
Senior Project Manager

Project Number: 557647

August 10, 2023

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- Appendix A: Database Radius Report
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EXECUTIVE SUMMARY

TRC was retained by HC (Contra Costa) (known as “Applicant” or “User”) to perform a Phase I Environmental Site Assessment (ESA) of the defined Study Area located off Pittsburg Waterfront Road in the City of Pittsburg, Contra Costa County, California 94565 (herein referred to as the “subject property”). TRC conducted the Phase I ESA in connection with the Applicant’s proposed development involving the subject property as a part of the H Cycle Pittsburg Renewable Hydrogen Project (HCPH). The Phase I ESA described in this report was performed in accordance with the scope and limitations of the ASTM International Practice E1527-21 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (hereinafter “ASTM Practice E1527-21” or “ASTM Standard”). Limiting conditions and/or deviations from the ASTM Practice E1527-21 standard are described in Sections 1.3 and 7.7 of this report.

Site Description	<p>The approximately 24-acre subject property is part of a larger approximately 250-acre parent parcel (073-220-049-8). The subject property site is currently occupied by infrastructure associated with the former Dow Chemical manufacturing facility and tenant spaces occupied by Corteva, Generon, and Schlumberger. The subject property is zoned as industrial by the City of Pittsburg.</p>
Site Operations	<p>Based on a review of historical information, the first structures were built on the central portion of the subject property by 1957 and expanded with additional structures in northern portion of property by 1998. Based on available data, Dow Chemical’s onsite operations ceased by the early 1980’s. The subject property is currently owned by Dow Chemical Company.</p>

This assessment has revealed the following recognized environmental condition (REC) in connection with the subject property.

REC

According to the Corteva representative, Ethyl Corporation operated onsite between 1958 and 1963. Based on review of regulatory records, Ethyl Corporation used and stored chemicals to manufacture tetraethyl lead prior to DOW Chemical Company’s purchase of the property in 1982. Soil samples collected in 1979 detected lead in surface soils from 50 to 638 milligrams per kilogram (mg/kg) and in 1990 groundwater sampling detected carbon tetrachloride, chloroform, and trichloroethylene up to 10, 1.4, and 1.2 mg/l milligrams per liter (mg/L) respectively. This property was incorporated into the corrective action under the Hazardous Waste Management Program oversight at the DOW Chemical Company property that is now under the direction of the Water Board. The Ethyl Corporation Property was considered part of the Dow 900/1000 Block Solid Waste Management Unit (SWMU) which is now considered closed. Groundwater monitoring was previously performed in accordance with the cleanup order. Groundwater extraction wells were installed to contain an isolated low level VOC plume and were operated between April 1992 and February 1995. A Workplan for groundwater investigation was submitted to the Board in August 2002, but was not implemented. Groundwater concentrations of contaminants were reported to be low to non-detect during the final sampling event.

DRAFT

1.0 INTRODUCTION

TRC has prepared this Phase I Environmental Site Assessment (ESA) for HC (Contra Costa) (hereinafter, “Applicant,” or “User”).

This report was prepared for and may be relied upon by Applicant and User for the purposes set forth herein; it may not be relied on by any party other than the Applicant and User. Authorization for third-party reliance on this report will be considered by TRC if requested by the Applicant. TRC reserves the right to deny reliance on this report by third parties.

1.1 Purpose and Scope of Services

The following Phase I ESA was performed for the property located on Pittsburg Waterfront Road in the City of Pittsburg, Contra Costa County, California 94565 (hereinafter the “subject property”). A subject property location map is included as **Figure 1**. TRC prepared this Phase I ESA in accordance with the ASTM International E1527-21 *Standard Practice for Environmental Site Assessments: Phase I ESA Process* (hereinafter “ASTM Practice E1527-21” or “ASTM Standard”) and is intended for the sole use of HC (Contra Costa), LLC.

The purpose of this assessment is to identify Recognized Environmental Conditions (RECs) at the subject property, as defined by ASTM Practice E1527-21. The completion of this Phase I ESA report may be used to satisfy one of the requirements for the User to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser liability protections pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), thereby constituting all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial or customary practice as defined by 42 United States Code §9601(35)(B) of CERCLA.

The Scope of Services for this Phase I ESA included the following tasks:

- Subject property and vicinity reconnaissance;
- Subject property and vicinity description and physical setting;
- Historical sources review and a description of historical subject property and adjoining property conditions;
- Evaluate potential for vapor migration to impact the subject property in general accordance with ASTM E2600-15, “Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions” (hereinafter ASTM Practice E2600-15);
- Interviews with owners, operators, and/or occupants of the subject property, and/or local officials;
- Review of environmental databases and regulatory agency records;
- Review of previous environmental reports/documentation, as applicable;
- Review of environmental liens, if provided or authorized to obtain by the User; and
- Preparation of a report summarizing findings, opinions, and conclusions.

1.2 Additional Services

Items outside the scope of ASTM Practice E1527-21 are, but are not limited to the following:

- Substances not defined as Hazardous Substances
- Asbestos-containing building materials
- Radon
- Lead-based paint
- Lead in drinking water
- Wetlands
- Regulatory compliance
- Cultural and historic resources
- Industrial hygiene
- Health and safety
- Ecological resources
- Endangered species
- Indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment
- Biological agents
- Mold
- Polychlorinated Biphenyl (PCB)-containing building materials

1.3 Deviations to ASTM Practice E1527-21

No significant deviations or deletions to the ASTM Standard were made during this Phase I ESA.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 Subject Property Location and Description

The subject property location, ownership, and parcel information are included in the following table. A subject property location map is included as **Figure 1**.

Table 2.1 - Subject Property Location and Description

Subject Property Details	Description
Location	East end Pittsburg Waterfront Road Pittsburg, Contra Costa County, California 94565
Primary use of surrounding area	Industrial
Acreage	~24 acres
Parcel Number	073-220-049-8 (Portion of)
Zoning	Industrial by City of Pittsburg
Owner & Operator	Dow Chemical Company

2.2 Subject Property Improvements

Current subject property improvements are listed in the following table. A subject property layout is included as **Figure 2**.

Table 2.2 - Subject Property Improvements

Subject Property Feature	Description
Buildings	Four buildings used for material storage, a laboratory, and an empty shed (currently unused)
Exterior areas	Unpaved and paved parking as well as equipment storage and vegetation throughout the subject property. There is also an inactive water tower in the northeast corner of the site and railroad spurs along the southern and southwestern property boundaries.
On-site roads/rail lines	Rail spurs along the southern and southwestern property boundaries.
Potable water supply	City of Pittsburg
Sewage disposal system(s)	Delta Diablo
Stormwater system	Stormwater outfall and collection system along eastern property boundary
Heating system (supplier)	None
Cooling system (supplier)	None
Back-up fuel source(s)	N/A
Electricity supplier(s)	Pacific Gas & Electric

2.3 Current and Historical Subject Property Use

2.3.1 Current Subject Property Use(s)

The subject property is currently owned by Dow Chemical Company and the existing buildings are utilized by Corteva, Generon, and Schlumberger primarily for storage. The railroad spurs are also utilized for storage by Corteva.

2.3.2 Previous Owner and Operator Information

Based on information provided by the User (Section 3.0), the historical record review (Section 4.0), and interviews conducted during this Phase I ESA (Section 5.0), historical subject property ownership and operator information are provided below.

Table 2.3 - Previous and Current Owner & Operator Information

Subject Property Owner & Operator	Description	From	To
Dow Chemical Company	Tenant space for Corteva, Generon	Unknown	Present
Dow Chemical Company	Dow Chemical Company	1963	Early 1980's
Ethyl Corporation	Manufacturing of tetraethyl lead	At least 1957	1963

2.4 Physical Setting

According to United States Geological Survey topographic maps reviewed, including the map included as **Figure 1**, the subject property is just south of the Dowest Slough and north of Arcy Lane. The subject property topographic elevation is approximately 14 feet above mean sea level, and local topography slopes to the north- northeast. The topographic downward slope observed at the subject property during the site reconnaissance is generally toward the northeast. Based on local topography and historical environmental reports provided to TRC, as applicable, the assumed direction of shallow groundwater flow is to the north- northeast, New York Slough. However, a subsurface investigation would be required to determine actual groundwater flow direction.

The database radius report, supplied by Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut, was reviewed to obtain information regarding the dominant soil composition in the vicinity of the subject property. This information is summarized below:

Soil Component Name: Clearlake, Rincon
 Hydric Status: Partially hydric - Capay
 Soil does not meet the requirements for a hydric soil - Rincon
 Soil Surface Texture: Clay, clay loam
 Deeper Soil Types: Silty clay loam

Please refer to the Geotcheck Physical Setting Source Summary of the EDR report presented in **Appendix A** for further information regarding the soil composition in the vicinity of the subject property.

3.0 USER-PROVIDED INFORMATION

According to ASTM Practice E1527-21, certain tasks that may help identify the presence of RECs associated with the subject property are generally conducted by the Phase I ESA User. These tasks include providing or authorizing the environmental professional to obtain recorded land title records for environmental liens or activity and use limitations (AULs); providing specialized knowledge related to RECs at the subject property (e.g., information about previous ownership or environmental litigation); providing commonly known or reasonably ascertainable information within the local community about the subject property that is material to RECs in connection with the subject property; and informing the environmental professional if, as believed by the User, the purchase price of the subject property is lower than the fair market value due to contamination. A copy of the User questionnaire is included in **Appendix B**. Information provided by the User is listed in Section 4.4.

3.1 Records for Environmental Liens or Activity and Use Limitations

According to the information provided by the User to TRC, a review of title and judicial records for environmental liens or AULs associated with the subject property, an activity use covenant/limitation for the main parcel encompassing the subject property exists. The covenant is associated with the former Dow Chemical operation and specifically the former solar evaporation ponds A-D which does not encompass the subject site 24-acre site limits.

3.2 Specialized Knowledge

Specialized knowledge regarding the subject property and/or nearby properties was not provided by the User.

3.3 Property Value Reduction Issues

The User was not aware of property valuation reduction issues regarding the subject property.

3.4 Commonly Known or Reasonably Ascertainable Information

TRC was supplied with commonly known and/or reasonably ascertainable information regarding the subject property by the User. This information was used during this Phase I ESA and has been incorporated in this report as applicable.

3.5 Reason for Conducting a Phase I ESA

TRC understands the User requires a Phase I ESA for due diligence purposes.

4.0 RECORDS REVIEW

4.1 Historical Research

Information regarding subject property and vicinity historical uses was obtained from various publicly available and practically reviewable sources including:

- Aerial photographs dated 1937, 1939, 1952, 1957, 1963, 1966, 1972, 1979, 1984, 1998, 2006, 2009, 2012, 2016, and 2020;
- Topographic maps dated 1907, 1908, 1912, 1916, 1918, 1953, 1968, 1978, 1980, 2012, 2015, and 2018;
- City directories dated 2005, 2010, 2014, 2017, and 2020 (which did not cover the subject property);
- Local municipal records;
- An environmental database report; and
- Interviews with subject property representative, as necessary.

Aerial photographs, topographic maps, city directories, and the environmental database report were provided by EDR. Historical research documentation is included in **Appendix C**.

Historical Sanborn® Fire Insurance Maps (Sanborn Maps®) were originally produced for assessing fire insurance liability in urban areas in the United States. The maps provide detailed information (e.g., building construction, subject property occupants, storage tank locations, and hazardous material storage areas), which can be used as a resource to document land use and structural change over time. EDR researched the availability of Sanborn Maps® in the vicinity of the subject property; however, EDR stated that Sanborn Map® coverage does not exist for the subject property or nearby surrounding area.

4.1.1 Subject Property History

Operational History

Table 4.1 - Subject Property History

Year	Subject Property History
From at least 1907 to at least 1939	According to the 1907 to 1918 topographic maps and the 1937 through 1952 aerial photographs, no structures are depicted at the subject property. The 1937 through 1952 aerials do depict the Dowest Slough extending through the northwest portion of the subject property.
From at least 1957 to at least 1984	Based on aerial photographs, the subject property appears to be improved with the original infrastructure of the Dow Chemical Plant, that includes at least four building structures, the rail spurs, and the water tower. The 1968 topographic map depicts multiple infrastructure features on the site but by 1980 most of the features are no longer depicted. The Dowest Slough on the northwest corner has been filled in during this time period.

Table 4.1 - Subject Property History

Year	Subject Property History
From at least 1984 to present	The aerial photographs indicate from at least 1984 to the present there is little change to the site configuration except for the addition of new structure along north central property boundary and the property appears to be in its current configuration. The topographic maps do not depict any structures or the rail spurs on the subject property during this timeframe.

4.1.2 Adjoining Property History

Table 4.2 - Adjoining Property History

Direction from Subject Property	Adjoining Property History
North	Since at least 1937 through 1952 the north adjoining properties were open land with no structures. By 1957 there appears to be some grading and filling in of the Dowest Slough. Two structures appear on the north adjoining property in 1998 and the development of this property has expanded by 2006 with additional road infrastructure in 2008.
South	Since at least 1937 through 1963 the north adjoining properties were open land with no structures. In 1966 there is a large structure on the property and by 1984 development of the property has expanded to include additional infrastructure. Additional expansion appears to take place in 2006 through 2012.
East	Since at least 1937 through the present the east adjoining properties were open land with no structures. A road did appear to have been graded in 1957 to access properties northeast of the subject property.
West	Since at least 1937 through the present the west adjoining properties were open land with no structures and occupied by the Dowest Slough. The development detailed above to the south of the site is considered west of the southernmost portion of the subject property.

4.1.3 Surrounding Property History

Since at least 1937, the surrounding area was historically open land with scattered roads and waterways. By 1966, extensive industrial development including railroads occurred and continued through the 1990s.

4.2 Database Report and Environmental Record Review

A database search report that identifies properties listed on state and federal databases within the ASTM-required radii of the subject property was obtained from EDR. These properties included those that could be mapped and those that could not (i.e., orphan properties). A copy of the database search report is included in **Appendix A**. The database search report includes the list of environmental databases/records searched and their corresponding abbreviations.

4.2.1 Subject Property

Subject property information included in the database search report is summarized in the following table:

Subject Property Facility Name(s) and/or Address(es)	Ethyl Corporation End of Loveridge Road
Map No(s).	1
Database(s)	Envirostor
Description/ID No(s).	Referred to RWQCB 1/12/2003 Facility ID: 7280107
Database Review Summary	<p>Ethyl Corporation is listed as being immediately east of the site and used and stored chemicals to manufacture tetraethyl lead prior to DOW Chemical Company's purchase of the property in 1982. Soil samples collected in 1979 detected lead in surface soils from 50 to 638 mg/kg and in 1990 groundwater sampling detected carbon tetrachloride, chloroform, and trichloroethylene up to 10, 1.4, and 1.2 mg/L respectively. This property was incorporated into the corrective action under the Hazardous Waste Management Program oversight at the DOW Chemical Company property that is now under the direction of the Water Board. The Ethyl Corporation Property was considered part of the Dow 900/1000 Block SWMU and the SWMU is considered closed. Ethyl Corporation stored chemicals used to manufacture tetraethyl lead in this area prior to Dow's purchase of the property in 1982. Groundwater monitoring was previously performed in accordance with the cleanup order. Groundwater extraction wells were installed to contain an isolated low level VOC plume and were operated between April 1992 and February 1995. A Workplan for groundwater investigation was submitted to the Board in August 2002, but was not implemented. Groundwater concentrations of contaminants were low to non-detect during the final sampling events.</p> <p>Given the likely presence of lead in subsurface soil and historic low concentrations of VOCs in groundwater, this listing is considered a REC.</p>

TRC notes that no oil/gas production wells, water wells, or pipelines were identified on the subject property based on information provided by EDR. Monitoring wells were listed to be present on the property and were observed (see Site Reconnaissance Section 6.0 and **Appendix D**) during the Site reconnaissance.

Based on the above listing, TRC conducted a file review of Ethyl Corporation for available files maintained at the Department of Toxic Substances Control (DTSC), Regional Water Quality Control Board (Water Board). The Ethyl Corporation case was incorporated into the corrective action for the DOW Chemical Company property and the SWMU was closed in 2016 and no regulatory action items are required at this time.

4.2.2 Adjoining and Surrounding Property Record Review

TRC evaluated the following factors to determine whether additional environmental records should be reviewed with respect to the potential for contaminant migration from the adjoining and surrounding properties:

- (1) Whether the property is upgradient or downgradient of the subject property related to potential groundwater migration based on the local topography, and the assumed (or known) groundwater depth and shallow groundwater flow direction (refer to Section 2.4 above);
- (2) Whether the property is upgradient or downgradient of the subject property related to potential vapor migration based on readily available information pursuant to ASTM Practice E1527-21 including soil and geological characteristics; contaminant characteristics; contaminated plume migration data; and significant conduits that might provide preferential pathways for vapor migration such as major utility corridors, sanitary sewers, storm sewers, and significant natural conduits such as karst terrain (vapor migration may also be influenced by the age and design of infrastructure features associated with these conduits);
- (3) Property case status (i.e., whether the state environmental agency or applicable regulatory authority has issued a No Further Action (NFA) letter or other similar closure document);
- (4) Type of database and whether the presence of contamination is known; and
- (5) The distance between the listed property and the subject property.

Based on this evaluation, TRC limited the review of additional environmental records to the properties listed below because the other properties are considered to have a low potential for contamination to migrate to the subject property.

4.2.2.1 Adjoining Properties

Information regarding adjoining properties (those which share a common property boundary with the subject property) included in the database search report is summarized in the following table:

Facility Name(s) and/or Address(es)	Generon IGS, INC Foot of Loveridge Road, Pittsburg, CA
Map No(s).	A2, A3
Approximate Location Relative to the Subject Property	Adjoining north- northeast
Presumed Hydrogeologic Setting	Downgradient
Database(s)	PFAS ECHO, EMI, RCRA NonGen/NLR, CERS
Description/ID No(s)	Facility ID: 14654 CERS ID: 11003800521
Database Review Summary	The facility is listed as generating the following spent halogenated solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, and 1,1,2, Trichloroethane. Also generation of spent solvent mixtures/blends. Based on the administrative nature of the listings the facility is not considered a REC.

Facility Name(s) and/or Address(es)	Delta Energy Center (Current Schlumberger property that bounds the subject property to south and west) 1200 Arcy Lane
Map No(s).	B4, B5
Approximate Location Relative to the Subject Property	Adjoining south-southwest
Presumed Hydrogeologic Setting	Upgradient
Database(s)	RCRA SQG, AST, WDSCPS-SLIC, CIWQS, CHMIRS, NPDES, CERS, CERS HAZ WASTE, CERS Tanks
Description/ID No(s)	Facility ID: S105886148 CERS ID: 10017064 OES Number: 14938 EPA ID: CAR000072371
Database Review Summary	<p>The facility has had multiple past violations that include:</p> <ul style="list-style-type: none"> • Failure to provide and maintain secondary containment for bulk storage tank installations sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation. - Returned to compliance on 06/06/2019. • APSA Program - Near the condenser, at the open drain, there appeared to be oil around the drain. Water was present, however there was large staining and upon inspection a residue was present. Facility is to maintain containment and ensure spills/releases are cleaned up immediately. Returned to compliance on 06/06/2019 • Business Plan Program -Administration/ Documentation – Returned to compliance on 05/17/2013 <p>Based on the administrative nature of the listings the facility is not considered a REC.</p>

Based on the above listings, no information regarding a release at the adjacent properties was noted. Therefore, no subsequent file review was conducted.

4.2.2.2 Surrounding Properties

Information regarding surrounding properties (those within the general vicinity of the subject property) included in the database search report is summarized in the following tables:

Facility Name(s) and/or Address(es)	Salt River Construction 1 Arcy Lane
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Map No(s).	13
Approximate Location Relative to the Subject Property	0.229 miles south- southeast
Presumed Hydrogeologic Setting	Cross- to downgradient
Database(s)	Contra Costa Co. Site List
Description/ID No(s)	Facility ID: FA0030544 CERS ID: 10019350
Database Review Summary	Based on the administrative nature of the listings the facility is not considered a REC.

Facility Name(s) and/or Address(es)	Dow Chemical Co. 900 Loveridge Road
Map No(s).	14, D16
Approximate Location Relative to the Subject Property	0.371 miles northwest
Presumed Hydrogeologic Setting	Cross gradient
Database(s)	AST, CHMIRS, CPS-SLIC, ENF, ENVIROSTOR, Hist Cortese, NPDES, CIWQS, CERS, SEMS-ARCHIVE, CORRACTS, RCRA NonGen/NLR, HWTS, ICE, WDS, HWP, HAZNET, SWF/L, HIST UST, US FIN ASSUR, RAATS, ICIS, FTTS, US AIRS, HWP, Contra Costa Co. Site List
Description/ID No(s)	Facility ID: SL20210828, 07280120 EPA ID: CAD076528678
Database Review Summary	Given the extensive history of the DOW-associated facilities within the area of concern, TRC conducted a file review of the facility for available files maintained at the RWQCB. This discussion is presented below.

Facility Name(s) and/or Address(es)	Hydrochem Industrial Services Inc. Loveridge Road
Map No(s).	15
Approximate Location Relative to the Subject Property	0.523 miles west- northwest
Presumed Hydrogeologic Setting	Crossgradient

Database(s)	Envirostor
Description/ID No(s).	Facility ID: 80001822
Database Review Summary	The facility is listed as “Inactive – needs evaluation” as of June 2009. No additional information was available for the facility. Based on facility’s distance and direction from the subject property as well as its regulatory status it is not considered a REC.

Based on the above listings, TRC conducted a file review of available files maintained at the RWQCB for the Dow Chemical facility. The Dow Chemical Company owns and operates a chemical manufacturing facility at 901 Loveridge Road that is bounded by the New York Slough on the north, the Pittsburg-Antioch Highway on the south, Loveridge Road on the west, and parklands and commercial areas on the east. The facility also reportedly encompassed a portion of the subject property where Ethyl Corporation operated. Historically, Dow used the site to manufacture chlorine, sodium hydroxide, hydrogen, and chlorinated solvents, including carbon tetrachloride and tetrachloroethene. In addition to chemical manufacturing activities, Dow conducts chemical development research at its Pittsburg facility. The Calpine Corporation operates a power plant on site, producing electricity and steam and The Cynera Company and M.G. Generon fabricate reverse osmosis membranes on the Dow property.

Since March 2000, Dow has operated the prototype EISB system proposed in their 1999 revised corrective action plan (CAP) in lieu of the site-wide hydraulic containment remedy proposed in their 1997 Cap. An effectiveness evaluation report of the EISB system was submitted in March 2006.

As detailed above Ethyl Corporation stored chemicals used to manufacture tetraethyl lead in this area prior to Dow’s purchase of the property in 1982. Currently, approximately 70% of area is covered with asphalt pavement or cement. Groundwater extraction wells were installed to contain an isolated low-level volatile organic compounds (VOC) plume but are no longer active and lead was not detected in groundwater when monitoring was discontinued. There is known residual lead in soil below the asphalt and cement surfaces.

4.3 Vapor Encroachment Evaluation

Vapor encroachment screening (VES) was conducted to evaluate chemicals of concern (COC) that may migrate to the vadose zone of the subject property through preferential pathways from either adjacent properties or the subject property itself due to contamination of soil and groundwater. The evaluation was performed in general accordance with ASTM E 2600-15.

Based on the EDR-provided database, historical documents, and subject property reconnaissance observations, TRC identified the following *potential* vapor encroachment conditions (VECs):

Tier 1

- Historical operation of the subject property to manufacture tetraethyl lead.
- Low level VOC plume from past historical operations.

- Nearby Dow Chemical Manufacturing facility with reported VOC releases.
- Current onsite chemical storage

Tier 2

- Review of Ethyl Corporation available regulatory records indicate that VOCs were detected in elevated concentrations in groundwater.

Soil characteristics, groundwater flow direction, and hydrologic characteristics of the physical setting suggest that vapors may have migrated from the off-site sources to the target property (ASTM E 2600-15 Section 8.3.3) based on records indicating past onsite groundwater extraction was performed. Based on the past trace detections of VOC in onsite groundwater, the VOCs are considered to have a potential to impact the environmental condition of the subject property and is thus considered a potential VEC.

4.4 Title and Judicial Records for Environmental Liens or AULs

User-provided information regarding potential environmental concerns associated with title or judicial records, or the existence of environmental liens or AULs for the subject property is discussed in Section 3.0.

In addition to reviewing the EDR report (discussed in Section 4.2) and local municipal records (Section 4.5), as requested by the User, TRC obtained supplemental information regarding possible environmental liens and AULs at the subject property from EDR, which is included in **Appendix C**. An AUL for the main parcel encompassing the subject property was identified. The AUL is associated with the former Dow Chemical operation and specifically the former solar evaporation ponds A-D, which does not encompass the subject property 24-acre site limits.

4.5 Previous Documents

The User provided the following documents for TRC's review:

- March 2018, Dow Chemical Plant RCRA Hazardous Waste Facility Permit Application for Block 560 Drum Storage Area prepared by CH2M Hill for DOW Chemical Company. The application details Resource Conservation and Recovery Act (RCRA) hazardous waste facilities operating at this site which include the Block 560 Drum Storage Area and two permitted industrial furnaces. The application further details the chemical and physical analysis of waste streams that that could potentially be stored in the Block 560 Drum Storage Area. None of the facilities are within the footprint of the Subject Property and the application does not cover the Subject Property.
- June 3, 2019, Revised Part A and Part B Permit Application for the Renewal of RCRA Hazardous Waste Facility Permit Monofill Corteva Agriscience - Pittsburg Operations prepared by Jacobs for Corteva Agriscience. The application updates the Hazardous Waste Post Closure Facility Permit (PCFP) for the Monofill issued by the DTSC which allows Corteva to monitor and maintain the Monofill for post-closure activities and is a renewal of the PCFP for the Monofill, which expired December 12, 2017. In 1987, six solar evaporation ponds were closed in accordance with 22 CCR 66264.112. Four of the ponds, A through D, were located adjacent to each other and Ponds E and F were located adjacent to each other, approximately 500 feet from the southern end of Ponds A through

D. During closure, the pond wastes were consolidated and solidified. As the ponds were closed, the Monofill was constructed at the same location as Ponds A through D. The solidified wastes were placed in the Monofill and the unit was closed. Post-closure care has been ongoing since that time. Ponds E and F were clean closed. The closest Pond is approximately 1,000 feet west and crossgradient of the Subject Property. As the ponds are not within the footprint of the Subject Property, the application does not cover the Subject Property.

- February 2023, 2019 Part B Permit Application for the Renewal of Hazardous Waste Facility Permit Boiler and Industrial Furnace Permit Corteva Agriscience - Pittsburg Operations prepared by Jacobs for Corteva Agriscience. The application details the RCRA hazardous waste storage units operating under this permit; two Halogen Acid Furnaces (HAFs) that are operating under Boiler and Industrial (BIF) RCRA Equivalent Permit 01-NC-08. None of the units are within the footprint of the Subject Property and the application does not cover the Subject Property.

Information provided in these reports is not relevant to Dow's past onsite operations nor current operations and is therefore is not further discussed in the report.

4.6 Other Environmental Record Sources

Per the ASTM Standard, local or additional state records were reviewed to enhance and supplement the ASTM-required federal and state records reviewed and discussed earlier in this report. Local sources that were contacted to obtain this information are discussed below:

Table 4.3 - Other Environmental Record Sources

Regulatory Agency/ Department	Available Information
Contra Costa County Department of Health Hazardous Materials Program (CCCHMP)	TRC contacted the CCCHMP on August 1, 2023. A response was not received by the issuance date of this report.
Contra Costa County Department of Environmental Health (CCCEH)	TRC contacted the CCCEH on August 1, 2023. A response was received on August 9, 2023 from the County Clerk indicating that there were no available records on file for the Site.
Bay Area Air Quality Management District (BAAQMD)	TRC contacted the BAAQMD on August 2, 2023, regarding the availability of files pertaining to the subject property in terms of historical emissions. A response was received on August 10, 2023 and the Public Records Clerk indicated that there were no available records on file for tenant addresses associated with the Site.
Contra Costa County Fire Protection District (CCCFPD)	TRC contacted the CCCFPD on August 1, 2023. A response was not received by the issuance date of this report.
City of Pittsburg Building Department	TRC contacted the City of Pittsburg Building Department on August 1, 2023. A response was not received by the issuance date of this report.

Table 4.3 - Other Environmental Record Sources

Regulatory Agency/ Department	Available Information
City of Pittsburg Geographic Information System (GIS)	TRC accessed the City of Pittsburg GIS system on July 27, 2023, to obtain the Site's parcel number, acreage, general information, and property ownership. This information is included throughout this report as applicable.
Department of Toxic Substances Control (DTSC) - Envirostor	TRC accessed the California Department of Toxic Substance Control online database system on July 31, 2023, to obtain any available files related to releases or potential contaminants associated with the Site or in the near vicinity. Subject property information is on record for the subject property as well as for several adjoining and surrounding properties' and included throughout this report as applicable.
San Francisco Bay Regional Water Quality Control Board (RWQCB) - GeoTracker	TRC accessed the Regional Water Resources Control Board online database system on July 31, 2023, to obtain any available files related to releases or potential contaminants associated with the Site or in the near vicinity. Subject property information is on record for the subject property as well as for several adjoining and surrounding properties' and included throughout this report as applicable.

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5.0 INTERVIEWS

The following person was interviewed to obtain historically and/or environmentally pertinent information regarding potential RECs associated with the subject property. The information provided is discussed and referenced throughout this report.

- Jason Ruhl, Property Business Manager of Corteva, with 26 years of experience and knowledge of the subject property, was interviewed on July 24, 2023.
- Megan Good, Key Applicant Representative of HC (Contra Costa) with knowledge of the subject property, was interviewed on July 27, 2023.

Information provided is discussed throughout the report and referenced in Section 4.5. Other references and sources of information are included in **Appendix D**.

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6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Brian Mo, TRC Staff Geologist, conducted a site reconnaissance of accessible areas on and around the subject property on July 24, 2023, for the purpose of identifying potential RECs. Photographs taken during the site reconnaissance are provided in **Appendix E**. A subject property layout plan is included as **Figure 2**.

Limiting conditions encountered during the site visit consisted of the following:

- Access and documentation of current tenant facilities within the subject property was not permitted by the property owner to protect proprietary information.
- Overgrown vegetation limited observations near the eastern subject property boundaries.
- The integrity and functionality of underground structures (e.g., associated piping and structures with the present digester tanks) could not be discerned during the site visit given their underground nature.

6.2 Interior and Exterior Subject Property Observations

Unless otherwise noted, the items listed in the table below appeared in good condition with no visual evidence of staining, deterioration, or a discharge of hazardous materials; and there are no records of a release in these areas. Items where further description is warranted are discussed in the section(s) following the table.

Table 6.1 - Interior and Exterior Subject Property Observations

Item	Present (Current/ Historical/ Not Observed)	Description
Hazardous material storage or handling areas	Current	Hazardous material storage from current tenants (Generon and Schlumberger) was observed in the northern portion of the subject property.
Solid and liquid wastes including municipal wastes	Current	See Section 6.2.2
Underground Storage Tanks (USTs) and associated piping	Not Observed	See Section 6.2.3.
Aboveground Storage Tanks (ASTs) and associated piping	Current	See Section 6.2.4.
Unlabeled drums and containers (≥5 gallons)	Not Observed	
Strong, pungent, or noxious odors	Not Observed	

Table 6.1 - Interior and Exterior Subject Property Observations

Item	Present (Current/ Historical/ Not Observed)	Description
Pools of liquid, including surface water bodies and sumps (handling hazardous substances or substances likely to be hazardous only)	Not Observed	
Known or Likely PCB-containing items (liquid-filled transformers, hydraulic equipment, etc.)	Not Observed	
Stains or corrosion	Not Observed	
Drains and sumps	Current	Stormwater drains are installed throughout the subject property. Observations were limited due to their underground nature.
Oil water separator	Not Observed	
Pits, ponds, and lagoons	Observed	A pit with water and municipal trash was observed between the two digester tanks.
Stressed vegetation	Not Observed	
Fill or stockpiled material	Not Observed	A soil stockpile (Picture 5; Appendix D) was observed between the abandoned former Corteva reactive chemical storage buildings. The source of the material is unknown. TRC has interpreted the unknown source of the soil as a data gap.
Wastewater (discharged from or to the subject property)	Not Observed	
Stormwater (discharged from or to the subject property)	Current	Stormwater flow collects to installed stormwater drains throughout subject property and discharges to Kirker Creek in the west adjoining property.
Wells (including dry wells, irrigation wells, injection wells, abandoned wells, oil and gas wells, or other wells)	Current	Several historical monitoring wells are located within the subject property. All wells are abandoned. A monument map provided by subject property owner is in Appendix D.
Septic systems or cesspools	Not Observed	

Table 6.1 - Interior and Exterior Subject Property Observations

Item	Present (Current/ Historical/ Not Observed)	Description
Debris piles	Current	Two small soil stockpiles from grading activities are located in the northern portion and central portion of the subject property respectively. The soil stockpiles are not tied to any known chemical releases or investigations and was reported to be generated from on-site grading. Due to the historical presence of lead in the soil, TRC has interpreted the source of the soil as a data gap.
Evidence of Uncontrolled Access	Not Observed	

6.2.1 Hazardous Substances

According to subject property representatives, no hazardous substances or petroleum products are generated at the subject property. Containers for hazardous material storage was observed in the central portion of the subject property. The Key Site Manager indicated that all containers in the central portion of the subject property are empty, and the chemicals were not used on the subject property. Accessible labels indicate that 2-chloro-trichloromethylpyridine was contained.

Tenants of the subject property appear to use hazardous substances on the subject property. All hazardous substances appear to be stored in the north storage building. Access and documentation were not permitted for this area by the subject property owner.

6.2.2 Solid and Liquid Wastes

Solid wastes in the form of municipal trash were observed during the site visit. Liquid wastes were not observed.

According to the subject property representative and previous environmental records, there has been no release of hazardous waste at the subject property that has resulted in RCRA Corrective Action.

6.2.3 Underground Storage Tanks

According to subject property representatives, no USTs are currently or have historically been present at the subject property. Additionally, no visual evidence (e.g., vent pipes, fill ports, dispensing equipment, etc.) of USTs was observed during the site visit.

6.2.4 Aboveground Storage Tanks

According to subject property representatives, all ASTs currently or historically present at the subject property have been empty and were just stored on the subject property. As observed by

TRC, more than 50, 4,600-gallon tanks that had previously contained DOW agrichemicals are stored in the central portion of the subject property. The Key Site Manager indicated that all tanks observed could be removed from the subject property. No evidence of staining or corrosion were observed.

6.3 Adjoining and Surrounding Properties Reconnaissance

6.3.1 Adjoining Properties

During the site reconnaissance, TRC viewed the adjoining properties from the subject property and publicly accessible areas (e.g., public roadways, etc.).

Table 6.2 - Adjoining Properties Reconnaissance

Direction from Subject Property	Current Land Use Description
North, West	Corteva Agriscience (901 Loveridge Rd) agricultural and pest control chemical manufacturer
East	Disturbed vacant/unoccupied land as former DOW facility
South	Delta Energy Center (1200 Arcy Ln) power station, Delta Diablo Sanitation District (2500 Pittsburg-Antioch Hwy) wastewater treatment

6.3.2 Surrounding Properties

Surrounding properties generally include industrial entities to the north and east, commercial use to the south, and mixed commercial and industrial use to the west.

7.0 FINDINGS, OPINIONS, AND CONCLUSIONS

Potential findings can include RECs, controlled RECs (CRECs), historical RECs (HRECs), and de minimis conditions, pursuant to ASTM Practice E1527-21.

RECs are defined as (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

CRECs are defined as RECs affecting the subject property that have been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, AULs, institutional controls, or engineering controls).

HRECs are defined as previous releases of hazardous substances or petroleum products affecting the subject property that have been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria without subjecting the subject property to any controls (for example, property use restrictions, AULs, institutional controls, or engineering controls). An HREC is not a REC.

De minimis conditions are related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not RECs nor CRECs.

Business environmental risks (BERs) are defined as a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice. Consideration of BER issues may involve addressing one or more non-scope considerations.

Data gaps are defined as a lack of or inability to obtain information required by this practice despite good faith efforts by the Environmental Professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the Key Site Manager, regulatory officials, etc.).

TRC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 at the property located at Loveridge Road on Pittsburg Waterfront Road in the City of Pittsburg, Contra Costa County, California 94565. Any exceptions to, or deletions from, this practice are described in Sections 1.3 and 7.7 of this report.

Findings determined to be RECs, CRECs, HRECs, and/or de minimis conditions are discussed in the sections below.

7.1 RECs

This assessment has revealed the following REC in connection with the subject property:

1. According to the Corteva representative, Ethyl Corporation operated onsite between 1958 and 1963. Based on review of regulatory records, Ethyl Corporation used and stored chemicals to manufacture tetraethyl lead prior to DOW Chemical Company's purchase of the property in 1982. Soil samples collected in 1979 detected lead in surface soils from 50 to 638 mg/kg and in 1990 groundwater sampling detected carbon tetrachloride, chloroform, and trichloroethylene up to 10, 1.4, and 1.2 mg/L respectively. This property was incorporated into the corrective action under the Hazardous Waste Management Program oversight at the DOW Chemical Company property that is now under the direction of the Water Board. Groundwater monitoring was previously performed in accordance with the cleanup order. Groundwater extraction wells were installed to contain an isolated low level VOC plume and were operated between April 1992 and February 1995. A Workplan for groundwater investigation was submitted to the Board in August 2002, but was not implemented. Groundwater concentrations of contaminants were reported to be low to non-detect during the final sampling event. The Ethyl Corporation case was incorporated into the corrective action for the DOW Chemical Company property and the SWMU was closed in 2016 and no regulatory action items are required at this time.

7.2 CRECs

This assessment has revealed no evidence of CRECs in connection with the subject property.

7.3 HRECs

This assessment has revealed no evidence of HRECs in connection with the subject property.

7.4 De Minimis Conditions

This assessment has revealed no evidence of de minimis conditions in connection with the subject property.

7.5 Business Environmental Risks (BERs)

This assessment has revealed the following BERs that warrant further discussion in this section.

- The abandoned training/administrative building located in the central portion of the subject property has signage present indicating asbestos is present in building materials.
- Containers for hazardous material storage were observed in the central portion of the subject property. The Key Site Manager indicated that all containers in the central portion of the subject property are empty, and the chemicals were not used on the subject property. Accessible labels indicate that the containers formerly contained 2-chloro-trichloromethylpyridine.

7.6 Data Gaps

TRC has made an appropriate inquiry into the commonly known and reasonably ascertainable resources concerning the historical ownership and use of the subject property back to the first development per Section 8.3.8 of ASTM Practice E1527-21. The following data gaps were identified during this assessment:

1. An owner, owner representative, or past owner was not available during this Phase I ESA for specialized knowledge of the subject property and adjoining and nearby properties that may be indicative of a REC. However, TRC has not identified significant data gaps indicative of a REC based on the historical information provided by the User and Freedom of Information Act information provided. Therefore, should interviews with an owner, an owner representative, or past owner be completed, findings in this Phase I ESA are not likely to substantially change.
2. Access was not available to several of the tenant buildings and tenants of the subject property appear to use hazardous substances on the subject property in the north storage building along the northern border. Access and documentation were not permitted for this area by the subject property owner.
3. The Dowest Slough on the northwest corner of the Site was filled in sometime in the early 1960's. Due to the industrial history of the surrounding area and the unknown source of the backfill material, this is considered a data gap.
4. A soil stockpile was observed between the abandoned former Corteva reactive chemical storage buildings. Due to the industrial history of the Subject Property and the unknown source of the stockpile this is considered a data gap.
5. Two small soil stockpiles from grading activities are located in the northern portion and central portion of the subject property respectively. The soil stockpiles are not tied to any known chemical releases or investigations and was reported to be generated from on-site grading. Due to the historical presence of lead in the soil, TRC has interpreted the source of the soil as a data gap.

The data gaps associated with the unknown source of the soil should be considered if disturbance of soil in these areas is anticipated.

7.7 Limiting Conditions and Deviations

7.7.1 Accuracy and Completeness

ASTM Practice E1527-21 recognizes inherent limitations for Phase I ESAs that apply to this report, including:

- Uncertainty Not Eliminated – No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Data gaps identified during this Phase I ESA are listed in Section 7.6.
- Not Exhaustive – A Phase I ESA is not an exhaustive investigation.
- Past Uses of the Property – A review of standard historical sources at intervals less than 5 years is not required.

The Applicant is advised that the Phase I ESA conducted at the subject property is a limited inquiry into a property's environmental status, cannot wholly eliminate uncertainty, and is not an exhaustive assessment to discover every potential source of environmental liability at the subject property. Therefore, TRC does not make a statement i) of warranty or guarantee, express or implied for any specific use; ii) that the subject property is free of RECs or environmental impairment; iii) that the subject property is "clean;" or iv) that impairments, if any, are limited to those that were discovered while TRC was performing the Phase I ESA. This limiting statement is not meant to compromise the findings of this report; rather, it is meant as a statement of limitations within the ASTM Standard and intended scope of this assessment. Specific limiting conditions identified during the site reconnaissance are described in Section 6.1. Subsurface conditions may differ from the conditions implied by surface observations and can be evaluated more thoroughly through intrusive techniques that are beyond the scope of this assessment. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other construction purposes.

This report presents TRC's site reconnaissance observations, findings, and conclusions as they existed at the time of the site reconnaissance. TRC makes no representation or warranty that the past or current operations at the property are or have been in compliance with applicable federal, state, and local laws, regulations, and codes. TRC makes no guarantees as to the accuracy or completeness of information obtained from others during the course of this Phase I ESA report. It is possible that information exists beyond the scope of this assessment, or that information was not provided to TRC. Additional information subsequently provided, discovered, or produced may alter findings or conclusions made in this Phase I ESA report. TRC is under no obligation to update this report to reflect such subsequent information. The findings presented in this report are based upon reasonably ascertainable information and observed subject property conditions at the time of the assessment.

This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not assessed. Regardless of the findings stated in this report, TRC is not responsible for consequences or conditions arising from facts that were not fully disclosed to TRC during the assessment.

An independent data research company provided the government agency database referenced in this report. Information regarding surrounding area properties was requested for approximate minimum search distances and was assumed to be correct and complete unless obviously contradicted by TRC's observations or other credible referenced sources reviewed during the assessment.

TRC is not a professional title insurance or land surveyor firm and makes no guarantee, explicit or implied, that any land title records acquired or reviewed, or any physical descriptions or depictions of the property in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

7.7.2 Warranties and Representations Disclaimer

TRC prepared this document solely for the benefit of the Applicant and the User. With regard to third-party recipients of this document, neither TRC, nor the Applicant, nor the User, nor any of their respective parents, affiliates, or subsidiaries, nor any person acting on their behalf: (a) makes any warranty, expressed or implied, with respect to the use of any information or methods disclosed in this document; or (b) assumes any liability with respect to the use of any information

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This report does not warrant against: (1) operations or conditions which were not evident from visual observations or historical information provided; (2) conditions which could only be determined by physical sampling or other intrusive investigation techniques; (3) locations other than the Applicant-provided addresses and/or subject property description; or (4) information regarding off-site location(s) (with possible impact to the subject property) not published in publicly available records.

7.7.3 Continued Validity/User Reliance

This report is presumed to be valid, in accordance with, and subject to, the limitations specified in ASTM Practice E1527-21, for a period of 180 days from the completion of each component using the dates provided in Section 8, or until the applicant obtains specific information that may materially alter a finding, opinion, or conclusion in this report, or until the Applicant is notified by TRC that it has obtained specific information that may materially alter a finding, opinion, or conclusion in this report. Additionally, pursuant to ASTM Practice E1527-21, this report is presumed valid if the required components are completed fewer than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction.

7.7.4 Significant Assumptions

During this Phase I ESA, TRC relied on database information; interviews with subject property representatives, regulatory officials, and other individuals having knowledge of subject property operations; and User-provided information as requested in our authorized Scope of Work. TRC has assumed that the information provided is true and accurate. Reliance on electronic database search reports is subject to the limitations set forth in those reports. TRC did not independently verify the information provided. TRC found no reason to question the validity of the information received unless explicitly noted elsewhere in this report. If other information is discovered and/or if previous reports exist that were not provided to TRC, our conclusions may not be valid.

8.0 REFERENCES

Table 8.1 - Reference Information

Description/Title of Document(s) Received or Agency Contacted	Date Information Request Filled/Date of Agency Contact	Information Updated	Reference Source
Regulatory database search and historical sources	July 19, 2023	N/A	EDR Inquiry Number: 7394520.2s
Interview Jason Ruhl	July 24, 2023	N/A	Corteva Property Business Manager
Interview Andrew Lin	July 24, 2023	N/A	H Cycle
Interview Megan Good	July 27, 2023	N/A	H Cycle
Site reconnaissance conducted by Brian Mo	July 24, 2023	N/A	N/A
Contra Costa County Fire Protection District	August 1, 2023	N/A	info@cccfd.org
Contra Costa County Hazardous Materials Program	August 1, 2023	N/A	ccchazmat@cchealth.org
Contra Costa County Department of Health / Environmental Health Division	August 1, 2023	N/A	ehlu@cchealth.org
City of Pittsburg Planning/Buildings Department	August 1, 2023	N/A	buildingdivision@pittsburgca.gov
City of Pittsburg Geographic Information System (GIS)	July 27, 2023	N/A	https://gis.pittsburgca.gov/public/
Regional Water Quality Control Board - GeoTracker	July 31, 2023	N/A	https://geotracker.waterboards.ca.gov/
California Department of Toxic Substance Control - EnviroStor	July 31, 2023	N/A	https://www.envirostor.dtsc.ca.gov/public/search
Bay Area Air Quality Management District	August 2, 2023	N/A	publicrecords@baaqmd.gov

9.0 NON-SCOPE ITEMS

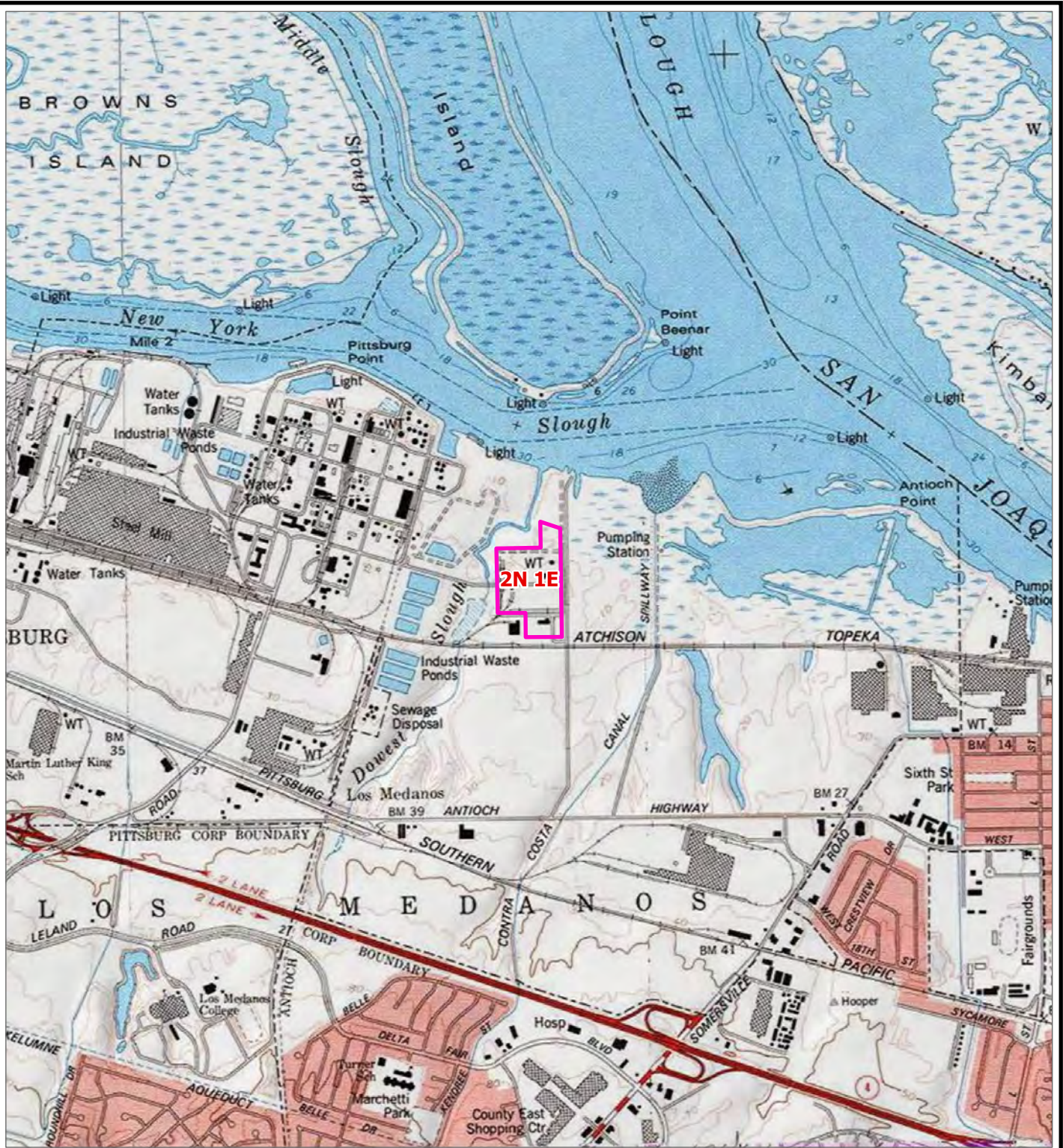
No ASTM Practice E1527-21 non-scope services were performed as part of this Phase I ESA.

DRAFT

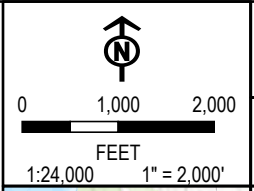
FIGURES

DRAFT

COORDINATE SYSTEM: NAD 1983 UTM ZONE 10N; MAP ROTATION: 0
 - SAVED BY: RBLAKE ON 8/6/2023, 15:24:20 PM; FILE PATH: T:\PROJECTS\SH-CYCLE\482082-1_PITTSBURG\G2-APRX\PITTSBURG RECORD SEARCH\APRX_LAYOUT NAME: FIG 1 SUBJECT PROPERTY LOCATION 20230806



 SUBJECT PROPERTY LOCATION




PROJECT: FORMER CORTEVA PROPERTY ON
 PITTSBURG WATERFRONT ROAD
 APN 073-220-049-8
 PITTSBURG, CALIFORNIA 94565

TITLE: **SUBJECT PROPERTY LOCATION**

DRAWN BY: R. BLAKE	PROJ. NO.: 557647
CHECKED BY: G. LIEBERMAN	FIGURE 1
APPROVED BY: B. PETERS	
DATE: AUGUST 2023	

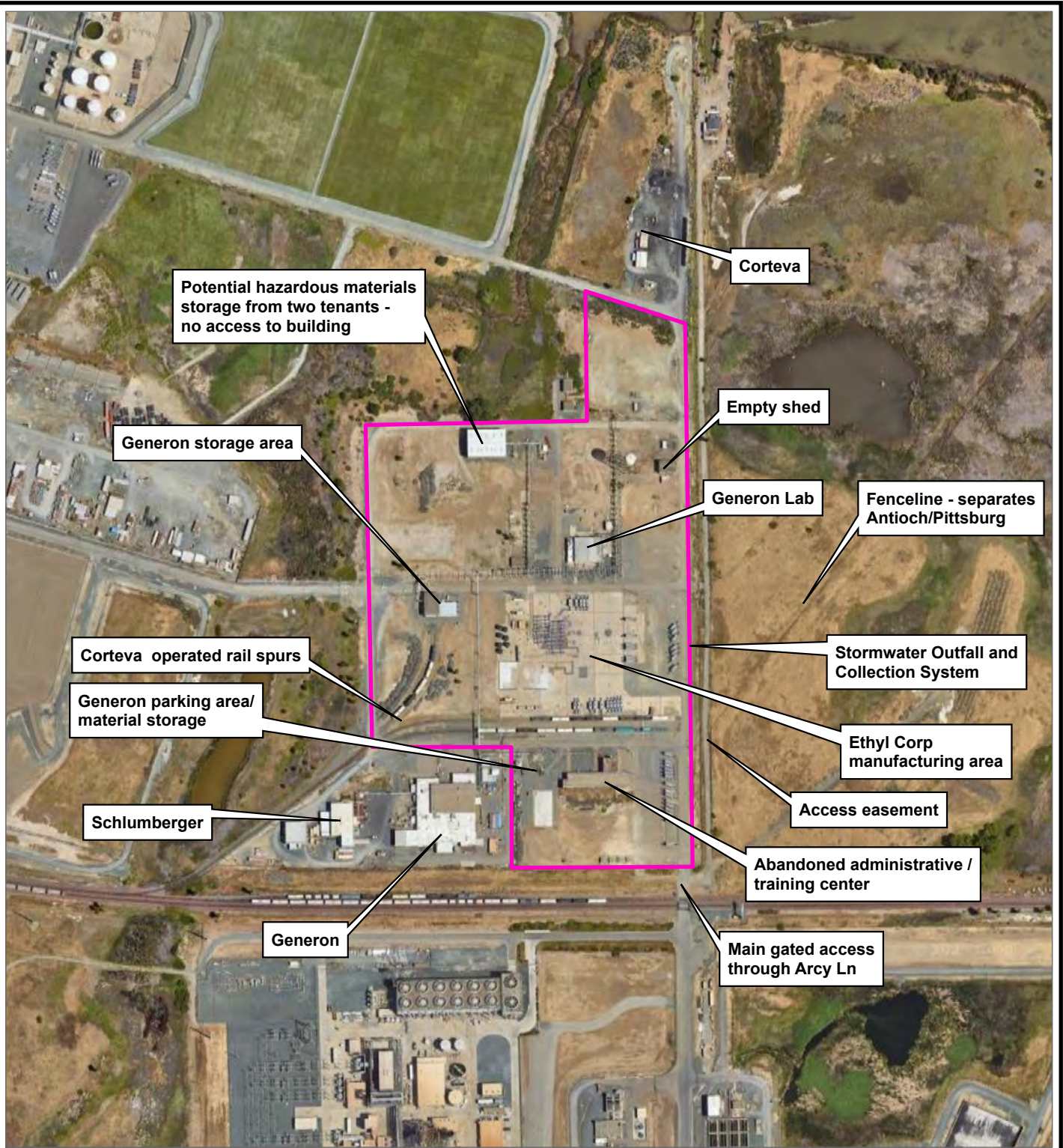
BASE MAP: USA TOPO MAPS
 DATA SOURCES: TRC



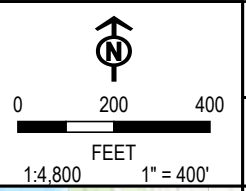
TRC SOLUTIONS, INC
 1850 GATEWAY BLVD, SUITE 1000
 CONCORD, CA 94520


FILE: PITTSBURG RECORD SEARCH

COORDINATE SYSTEM: NAD 1983 UTM ZONE 10N; MAP ROTATION: 0
 -- SAVED BY: RBLAKE ON 8/6/2023, 1:5:28:27 PM; FILE PATH: T:\PROJECTS\SH-CYCLE\482082-1_PITTSBURG\G12-APRX\PITTSBURG RECORD SEARCH\APRX_LAYOUT NAME: FIG 2 SUBJECT PROPERTY LAYOUT 20230806



 SUBJECT PROPERTY LOCATION



PROJECT:		FORMER CORTEVA PROPERTY ON PITTSBURG WATERFRONT ROAD APN 073-220-049-8 PITTSBURG, CALIFORNIA 94565	
TITLE:		SUBJECT PROPERTY LAYOUT	
DRAWN BY:	R. BLAKE	PROJ. NO.:	557647
CHECKED BY:	G. LIEBERMAN	FIGURE 2	
APPROVED BY:	B. PETERS		
DATE:	AUGUST 2023		
		TRC SOLUTIONS, INC 1850 GATEWAY BLVD, SUITE 1000 CONCORD, CA 94520	
FILE:		PITTSBURG RECORD SEARCH	

BASE MAP: USGS COLOR ORTHO IMAGERY
 DATA SOURCES: TRC

**Appendix A:
Database Radius Report**

DRAFT

Appendix A: Database Radius Report

Hcycle Pittsburg

Not Reported

Antioch, CA 94509

Inquiry Number: 7394520.2s

July 19, 2023

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
ANTIOCH, CA 94509

COORDINATES

Latitude (North): 38.0214240 - 38° 1' 17.12"
Longitude (West): 121.8442850 - 121° 50' 39.42"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 601443.4
UTM Y (Meters): 4208616.5
Elevation: 14 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 12021565 ANTIOCH NORTH, CA
Version Date: 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20200528
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
ANTIOCH, CA 94509

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	ETHYL CORPORATION	END OF LOVERIDGE RD.	ENVIROSTOR	Lower	115, 0.022, ENE
A2	GENERON IGS, INC		PFAS ECHO	Lower	546, 0.103, NNE
A3	GENERON I G S PITTSB	FOOT OF LOVERIDGE RD	RCRA NonGen / NLR, EMI, CERS	Lower	546, 0.103, NNE
B4	DELTA ENERGY CENTER,	1200 ARCY LANE	RCRA-SQG, AST, WDS	Higher	807, 0.153, SSW
B5	DELTA ENERGY CTR	1200 ARCY LN	CERS HAZ WASTE, CERS TANKS, CHMIRS, NPDES, CIWQS,Higher	Higher	807, 0.153, SSW
C6	DELTA DIABLO SANITAT	2500 PITTSBURG-ANTIO	SWEEPS UST, CA FID UST, ENF, CONTRA COSTA CO. SITE..	Lower	1029, 0.195, SSE
C7	DELTA DIABLO	2500 PITTSBURG ANTIO	RCRA NonGen / NLR	Lower	1029, 0.195, SSE
C8	DELTA DIABLO SANITAT	2500 PITTSBURG ANTIO	AST	Lower	1029, 0.195, SSE
C9	DELTA DIABLO SANITAT	2500 PITTSBURG ANTIO	CERS HAZ WASTE, CERS TANKS, CERS, NON-CASE INFO	Lower	1029, 0.195, SSE
C10	DELTA DIABLO	2500 PITTSBURG ANTIO	RCRA NonGen / NLR	Lower	1029, 0.195, SSE
C11	CONTRA COSTA CO SAN	2500 PITTSBURG ANTIO	RCRA NonGen / NLR	Lower	1029, 0.195, SSE
C12	DELTA DIABLO SANITAT	2500 PITTSBURG ANTIO	UST	Lower	1029, 0.195, SSE
13	SALT RIVER CONSTRUCT	1 ARCY LN	CONTRA COSTA CO. SITE LIST	Higher	1208, 0.229, SSE
14	DOW CHEMICAL U.S.A.	LOVERIDGE RD.	ENVIROSTOR	Higher	1957, 0.371, NW
15	HYDROCHEM INDUSTRIAL	LOVERIDGE RD	ENVIROSTOR	Higher	2762, 0.523, WNW
D16	THE DOW CHEMICAL COM	901 LOVERIDGE RD.	SWF/LF, HIST UST, US FIN ASSUR, RAATS, ICIS, FTTS,...	Higher	2864, 0.542, NW
D17	THE DOW CHEMICAL COM	901 LOVERIDGE RD	CHMIRS, Cortese, ENF, ICE, HWP, HAZNET, WDS,...	Higher	2864, 0.542, NW
D18	DOWELL SCHLUMBERGER	LOVERIDGE ROAD	SEMS-ARCHIVE, CORRACTS, RCRA NonGen / NLR	Higher	2864, 0.542, NW
D19	DOW CHEMICAL CO PITT	901 LOVERIDGE ROAD	ENVIROSTOR, CPS-SLIC, AST, CHMIRS, LDS, ENF,...	Higher	2864, 0.542, NW
D20	DOW CHEMICAL PITTSBU	END OF LOVERIDGE RD	CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 COR ACTION,...	Higher	2864, 0.542, NW
D21	US STEEL POSCO INDUS	900 LOVERIDGE RD	ENVIROSTOR, SWF/LF, LUST, CPS-SLIC, AST, CERS HAZ...	Higher	2902, 0.550, NW
D22	USS-POSCO INDUSTRIES	900 LOVERIDGE RD	DEED, ICE, HWP, HAZNET, HWTS	Higher	2902, 0.550, NW
D23	USS-POSCO INDUSTRIES	900 LOVERIDGE ROAD,	CORRACTS, RCRA-TSDF, RCRA-LQG, US INST CONTROLS,Higher	Higher	2902, 0.550, NW
D24	USS-POSCO INDUSTRIES	900 LOVERIDGE ROAD	AST, Toxic Pits, CERS HAZ WASTE, CERS TANKS, DEED,...	Higher	2902, 0.550, NW
E25	PACIFIC ORD STEEL FO		ENVIROSTOR	Higher	3201, 0.606, SW
E26	PACIFIC ORDNANCE STE		FUDS	Higher	3211, 0.608, SW
F27	KNA CALIFORNIA INC	1401 LOVERIDGE RD	ENVIROSTOR, CPS-SLIC, CHMIRS, CONTRA COSTA CO....	Higher	3523, 0.667, WSW
F28	RECYCLING CENTER AND	1300 LOVERIDGE ROAD	CPS-SLIC, FINDS, ECHO, EMI, HWP, CERS	Higher	3564, 0.675, WSW
F29	CROWN CORK AND SEAL	1300 LOVERIDGE RD	SEMS, CORRACTS, RCRA-SQG, ENVIROSTOR, SWF/LF,...	Higher	3564, 0.675, WSW
F30	BOMBARDIER TRANSPORT	1461 LOVERIDGE RD	ENVIROSTOR, CONTRA COSTA CO. SITE LIST	Higher	3679, 0.697, WSW
31	KEMWATER NORTH AMERI	LOVERIDGE ROAD & PIT	ENVIROSTOR, HWP	Higher	4531, 0.858, WSW
32	ANTIOCH BUILDING MAT	1375 CALIFORNIA AVEN	ENVIROSTOR, EMI, NPDES, CIWQS	Higher	4598, 0.871, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Lists of Federal RCRA TSD facilities

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Information System

Lists of state and tribal leaking storage tanks

LUST..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC..... Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

Lists of state and tribal brownfield sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
US CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST..... Hazardous Substance Storage Container Database

EXECUTIVE SUMMARY

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
ECHO..... Enforcement & Compliance History Information
FUELS PROGRAM..... EPA Fuels Program Registered Listing
PFAS NPL..... Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES..... Federal Sites PFAS Information

EXECUTIVE SUMMARY

PFAS TSCA.....	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST.....	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR.....	PFAS Contamination Site Location Listing
PFAS WQP.....	Ambient Environmental Sampling for PFAS
PFAS NPDES.....	Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAINING.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT.....	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC.....	Aqueous Foam Related Incidents Listing
PFAS.....	PFAS Contamination Site Location Listing
AQUEOUS FOAM.....	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HIST CORTESE.....	Hazardous Waste & Substance Site List
HWT.....	Registered Hazardous Waste Transporter Database
HAZNET.....	Facility and Manifest Data
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
HAZMAT.....	Hazardous Material Facilities
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
PFAS TRIS.....	List of PFAS Added to the TRI
HWTS.....	Hazardous Waste Tracking System
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/06/2023 has revealed that there are 4 CORRACTS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>DOWELL SCHLUMBERGER</i> EPA ID:: CAT080010580	<i>LOVERIDGE ROAD</i>	<i>NW 1/2 - 1 (0.542 mi.)</i>	<i>D18</i>	<i>281</i>
<i>DOW CHEMICAL PITTSBU</i> EPA ID:: CAD076528678	<i>END OF LOVERIDGE RD</i>	<i>NW 1/2 - 1 (0.542 mi.)</i>	<i>D20</i>	<i>336</i>
<i>USS-POSCO INDUSTRIES</i> EPA ID:: CAD009150194	<i>900 LOVERIDGE ROAD,</i>	<i>NW 1/2 - 1 (0.550 mi.)</i>	<i>D23</i>	<i>734</i>
<i>CROWN CORK AND SEAL</i> EPA ID:: CAT000624809	<i>1300 LOVERIDGE RD</i>	<i>WSW 1/2 - 1 (0.675 mi.)</i>	<i>F29</i>	<i>1034</i>

Lists of Federal RCRA generators

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or

EXECUTIVE SUMMARY

dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DELTA ENERGY CENTER, EPA ID:: CAR000072371	1200 ARCY LANE	SSW 1/8 - 1/4 (0.153 mi.)	B4	22

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/24/2023 has revealed that there are 11 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOW CHEMICAL U.S.A. Facility Id: 7280120 Status: Refer: RCRA	LOVERIDGE RD.	NW 1/4 - 1/2 (0.371 mi.)	14	98
HYDROCHEM INDUSTRIAL Facility Id: 80001822 Status: Inactive - Needs Evaluation	LOVERIDGE RD	WNW 1/2 - 1 (0.523 mi.)	15	99
DOW CHEMICAL CO PITT Facility Id: 80001680 Status: Refer: RWQCB	901 LOVERIDGE ROAD	NW 1/2 - 1 (0.542 mi.)	D19	296
US STEEL POSCO INDUS Facility Id: 80001609 Facility Id: 7330015 Status: Active Status: Refer: RCRA	900 LOVERIDGE RD	NW 1/2 - 1 (0.550 mi.)	D21	531
PACIFIC ORD STEEL FO Facility Id: 80000596 Status: Inactive - Needs Evaluation		SW 1/2 - 1 (0.606 mi.)	E25	1016
KNA CALIFORNIA INC Facility Id: 7280165 Status: Refer: RWQCB	1401 LOVERIDGE RD	WSW 1/2 - 1 (0.667 mi.)	F27	1018
CROWN CORK AND SEAL Facility Id: 80001806 Facility Id: 70000149	1300 LOVERIDGE RD	WSW 1/2 - 1 (0.675 mi.)	F29	1034

EXECUTIVE SUMMARY

Status: Inactive - Needs Evaluation
 Status: Refer: RWQCB

BOMBARDIER TRANSPORT Facility Id: 7550006 Status: No Further Action	1461 LOVERIDGE RD	WSW 1/2 - 1 (0.697 mi.)	F30	1073
KEMWATER NORTH AMERI Facility Id: 80001307 Status: Inactive - Needs Evaluation	LOVERIDGE ROAD & PIT	WSW 1/2 - 1 (0.858 mi.)	31	1074
ANTIOCH BUILDING MAT Facility Id: 7520001 Status: Inactive - Needs Evaluation	1375 CALIFORNIA AVEN	SW 1/2 - 1 (0.871 mi.)	32	1077

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ETHYL CORPORATION Facility Id: 7280107 Status: Refer: RWQCB	END OF LOVERIDGE RD.	ENE 0 - 1/8 (0.022 mi.)	1	9

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DELTA DIABLO SANITAT Database: UST, Date of Government Version: 03/06/2023 Facility Id: 07-000-770179	2500 PITTSBURG ANTIO	SSE 1/8 - 1/4 (0.195 mi.)	C12	95

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DELTA ENERGY CENTER, Database: AST, Date of Government Version: 07/06/2016	1200 ARCY LANE	SSW 1/8 - 1/4 (0.153 mi.)	B4	22

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DELTA DIABLO SANITAT Database: AST, Date of Government Version: 07/06/2016	2500 PITTSBURG ANTIO	SSE 1/8 - 1/4 (0.195 mi.)	C8	61

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

Toxic Pits: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there is 1 Toxic Pits site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
USS-POSCO INDUSTRIES Closure Date: 07/18/91 Task #: 82016 Status: CLOSED	900 LOVERIDGE ROAD	NW 1/2 - 1 (0.550 mi.)	D24	907

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/17/2023 has revealed that there are 2 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DELTA ENERGY CTR	1200 ARCY LN	SSW 1/8 - 1/4 (0.153 mi.)	B5	29
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DELTA DIABLO SANITAT	2500 PITTSBURG ANTIO	SSE 1/8 - 1/4 (0.195 mi.)	C9	61

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DELTA DIABLO SANITAT Status: A Tank Status: A Comp Number: 70179	2500 PITTSBURG-ANTIO	SSE 1/8 - 1/4 (0.195 mi.)	C6	54

EXECUTIVE SUMMARY

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 04/17/2023 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>DELTA ENERGY CTR</i>	<i>1200 ARCY LN</i>	<i>SSW 1/8 - 1/4 (0.153 mi.)</i>	<i>B5</i>	<i>29</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>DELTA DIABLO SANITAT</i>	<i>2500 PITTSBURG ANTIO</i>	<i>SSE 1/8 - 1/4 (0.195 mi.)</i>	<i>C9</i>	<i>61</i>

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>DELTA DIABLO SANITAT</i> Facility Id: 07001557 Status: A	<i>2500 PITTSBURG-ANTIO</i>	<i>SSE 1/8 - 1/4 (0.195 mi.)</i>	<i>C6</i>	<i>54</i>

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/06/2023 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>GENERON I G S PITTSB</i> EPA ID:: CAR000009274	<i>FOOT OF LOVERIDGE RD</i>	<i>NNE 0 - 1/8 (0.103 mi.)</i>	<i>A3</i>	<i>11</i>
<i>DELTA DIABLO</i> EPA ID:: CAL000049640	<i>2500 PITTSBURG ANTIO</i>	<i>SSE 1/8 - 1/4 (0.195 mi.)</i>	<i>C7</i>	<i>58</i>
<i>DELTA DIABLO</i> EPA ID:: CAL000433126	<i>2500 PITTSBURG ANTIO</i>	<i>SSE 1/8 - 1/4 (0.195 mi.)</i>	<i>C10</i>	<i>91</i>
<i>CONTRA COSTA CO SAN</i> EPA ID:: CAD000626408	<i>2500 PITTSBURG ANTIO</i>	<i>SSE 1/8 - 1/4 (0.195 mi.)</i>	<i>C11</i>	<i>93</i>

EXECUTIVE SUMMARY

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/08/2023 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC ORDNANCE STE		SW 1/2 - 1 (0.608 mi.)	E26	1017

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 03/30/2023 has revealed that there is 1 PFAS ECHO site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GENERON IGS, INC		NNE 0 - 1/8 (0.103 mi.)	A2	10

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 02/13/2023 has revealed that there are 5 HWP sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE DOW CHEMICAL COM EPA ID: CAT080010580 Cleanup Status: PROTECTIVE FILER	901 LOVERIDGE RD.	NW 1/2 - 1 (0.542 mi.)	D16	100
THE DOW CHEMICAL COM EPA ID: CAD076528678 Cleanup Status: OPERATING PERMIT	901 LOVERIDGE RD	NW 1/2 - 1 (0.542 mi.)	D17	148
USS-POSCO INDUSTRIES EPA ID: CAD009150194 Cleanup Status: OPERATING PERMIT	900 LOVERIDGE RD	NW 1/2 - 1 (0.550 mi.)	D22	609
RECYCLING CENTER AND EPA ID: CAT000624809 Cleanup Status: PROTECTIVE FILER	1300 LOVERIDGE ROAD	WSW 1/2 - 1 (0.675 mi.)	F28	1021
KEMWATER NORTH AMERI EPA ID: CAD000626572 Cleanup Status: PROTECTIVE FILER	LOVERIDGE ROAD & PIT	WSW 1/2 - 1 (0.858 mi.)	31	1074

CONTRA COSTA CO. SITE LIST: Lists includes sites from the Underground Tank Program, Hazardous Waste Generator Program & Business Plan 12185 Program

A review of the CONTRA COSTA CO. SITE LIST list, as provided by EDR, and dated 04/03/2023 has revealed that there are 2 CONTRA COSTA CO. SITE LIST sites within approximately 0.25 miles of the

EXECUTIVE SUMMARY

target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SALT RIVER CONSTRUCT Facility Id: FA0030544	1 ARCY LN	SSE 1/8 - 1/4 (0.229 mi.)	13	97

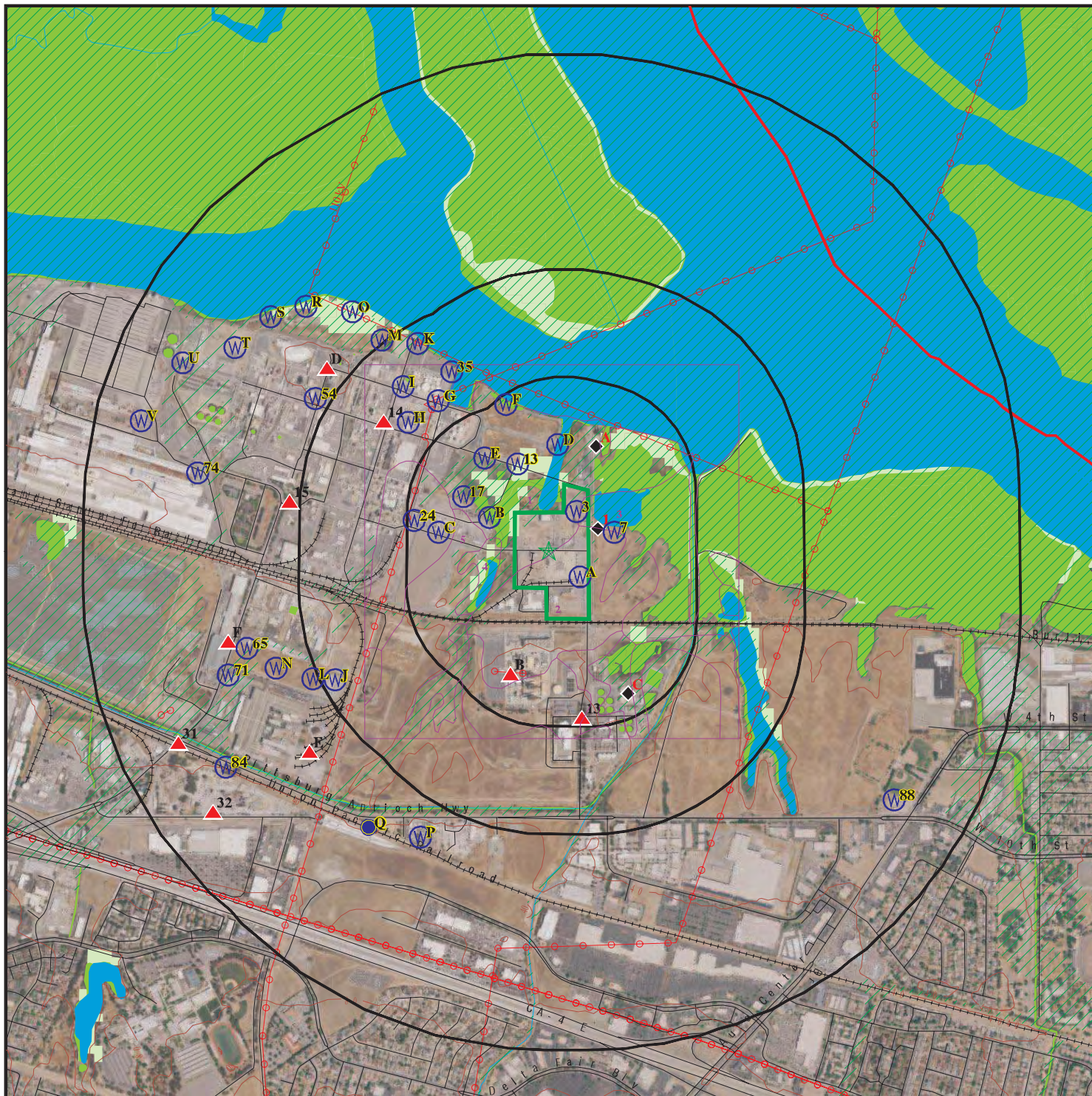
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>DELTA DIABLO SANITAT</i> Facility Id: FA0032730	<i>2500 PITTSBURG-ANTIO</i>	<i>SSE 1/8 - 1/4 (0.195 mi.)</i>	<i>C6</i>	<i>54</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 16 records.

<u>Site Name</u>	<u>Database(s)</u>
1X PITTSBURG UNIFED SCHOOL DISTRIC	HAZNET, HWTS
1X PITTSBURG UNIFIED SCHOOL DIST	HWTS
PITTSBURG JUNCTION	CERS HAZ WASTE
PITTSBURG CITY ST	NPDES, CIWQS
PITTSBURG ANTIOCH HWY	CIWQS
PG&E DROUIN COMPRESSOR STATION	LUST, UST
GENERON IGS PITTSBURG CA	RCRA-SQG
UP PITTSBURG YARD MP 50.45	HMIRS
UP PITTSBURG CA. YARD	HMIRS
UPRR PITTSBURG YARD. MP 48.5	HMIRS
MP 48.91/UPRR PITTSBURG YARD	HMIRS
UPRR PITTSBURG YARD	HMIRS
GENERON IGS PITTSBURG CA	FINDS, PFAS ECHO
VERIZON WIRELESS PITTSBURG LANDING	FINDS
PACIFIC GAS AND ELECTRIC - JWP	CA BOND EXP. PLAN
GENERON IGS PITTSBURG CA	ECHO

OVERVIEW MAP - 7394520.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

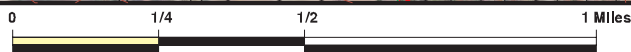
Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

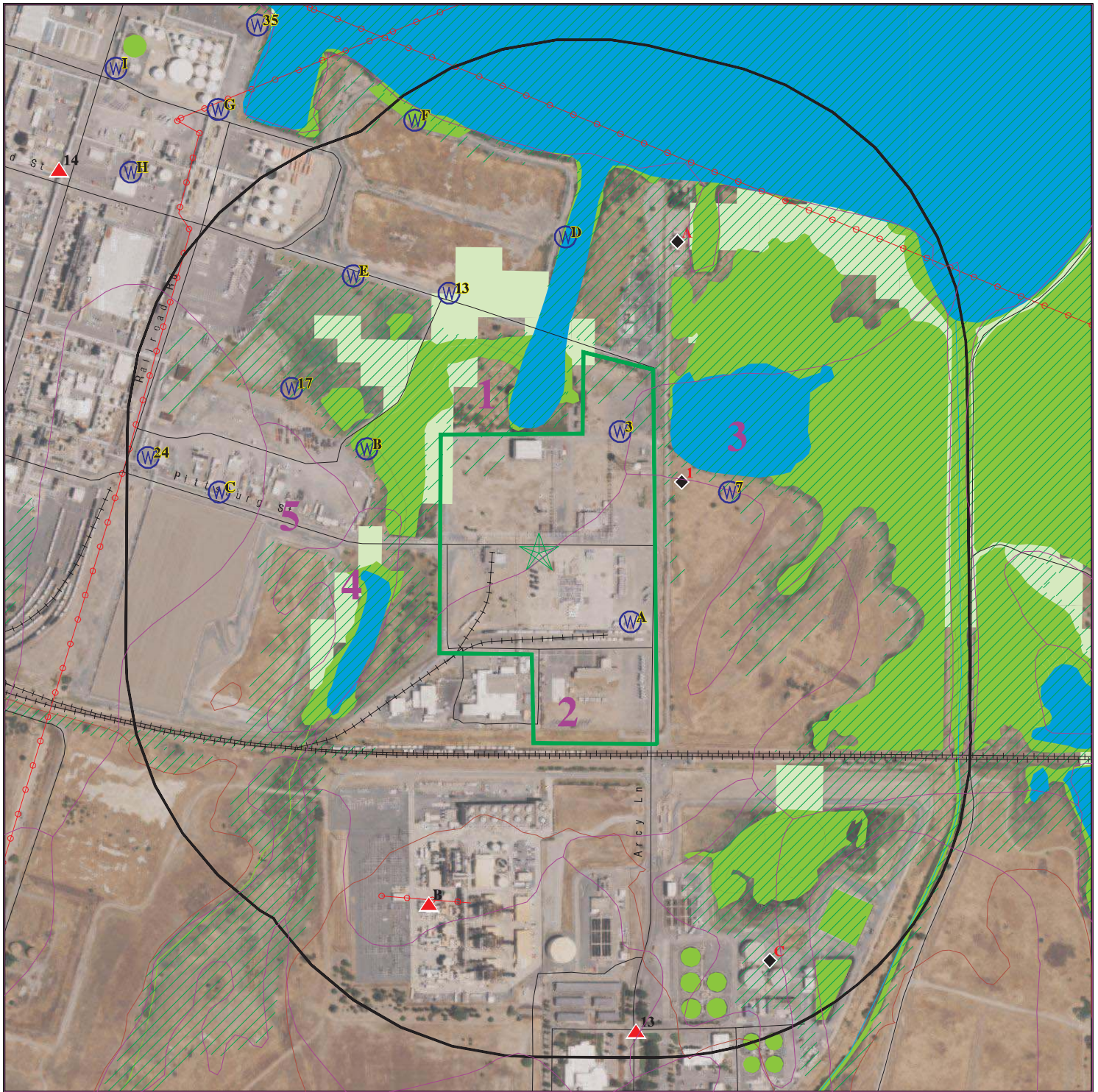


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Hcycle Pittsburg
 ADDRESS: Not Reported
 Antioch CA 94509
 LAT/LONG: 38.021424 / 121.844285

CLIENT: TRC
 CONTACT: Gary Lieberman
 INQUIRY #: 7394520.2s
 DATE: July 19, 2023 4:20 pm

DETAIL MAP - 7394520.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

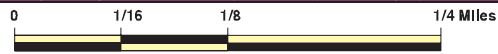
Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Hcycle Pittsburg
 ADDRESS: Not Reported
 Antioch CA 94509
 LAT/LONG: 38.021424 / 121.844285

CLIENT: TRC
 CONTACT: Gary Lieberman
 INQUIRY #: 7394520.2s
 DATE: July 19, 2023 4:21 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	4	NR	4
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>Lists of state- and tribal (Superfund) equivalent sites</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
ENVIROSTOR	1.000		1	0	1	9	NR	11
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		0	2	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	1	NR	1
CERS HAZ WASTE	0.250		0	2	NR	NR	NR	2
US CDL	0.001		0	NR	NR	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	2	NR	NR	NR	2
CA FID UST	0.250		0	1	NR	NR	NR	1
<i>Local Land Records</i>								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	3	NR	NR	NR	4
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		1	0	NR	NR	NR	1
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	5	NR	5
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
CONTRA COSTA CO. SITE	0.250		0	2	NR	NR	NR	2
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	3	15	1	20	0	39

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

1
ENE
< 1/8
0.022 mi.
115 ft.

ETHYL CORPORATION
END OF LOVERIDGE RD.
PITTSBURG, CA 94565

ENVIROSTOR **S116165392**
N/A

Relative:
Lower
Actual:
12 ft.

ENVIROSTOR:

Name: ETHYL CORPORATION
 Address: END OF LOVERIDGE RD.
 City,State,Zip: PITTSBURG, CA 94565
 Facility ID: 7280107
 Status: Refer: RWQCB
 Status Date: 01/12/2003
 Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: RWQCB 2 - San Francisco Bay
 Lead Agency: RWQCB 2 - San Francisco Bay
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Assembly: 15
 Senate: 9
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 38.02222
 Longitude: -121.8422
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: * HALOGENATED SOLVENTS * Pesticides - Rinse Waters * Pesticides -
 Wastes From Production * ALKALINE SOLUTION WITHOUT METALS
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: Not reported
 Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported
 Completed Sub Area Name: Not reported
 Completed Document Type: Not reported
 Completed Date: Not reported
 Comments: Not reported

 Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A2
NNE
< 1/8
0.103 mi.
546 ft.

GENERON IGS, INC
PITTSBURG, CA
Site 1 of 2 in cluster A

PFAS ECHO 1027363254
N/A

Relative:
Lower
Actual:
5 ft.

PFAS ECHO:
Name: GENERON IGS, INC
Address: Not reported
City,State,Zip: PITTSBURG, CA
Latitude: 38.024995
Longitude: -121.842264
Count: 1
County: CONTRA COSTA
Status: Unknown
Region: 09
Industry: Petroleum
ECHO Facility Report: <https://echo.epa.gov/detailed-facility-report?fid=110038005217>
Facility Percent Minority: 71.314
Facility Derived Tribes: -
Facility Population: 3551.28
EPA Programs: -
Federal Facility: No
Federal Agency: -
Facility FIPS Code: 06013
Facility Indian Country Flag: N
Facility Collection Method: -
Facility Derived HUC: 18040003
Facility Derived WBD: 180500010401
Facility Derived CD113: 11
Facility Derived CB2010: 060133050003012
Facility Major Flag: -
Facility Active Flag: -
Facility Inspection Count: 0
Facility Date Last Inspection: -
Facility Days Last Inspection: -
Facility Informal Count: 0
Facility Date Last Informal Action: -
Facility Formal Action Count: 0
Facility Date Last Formal Action: -
Facility Total Penalties: 0
Facility Penalty Count: -
Facility Date Last Penalty: -
Facility Last Penalty AMT: -
Facility QTRS With NC: -
Facility Programs With SNC: 0
Facility Compliance Status: -
Facility SNC Flag: N
AIR Flag: N
NPDES Flag: N
SDWIS Flag: N
RCRA Flag: N
TRI Flag: N
GHG Flag: N
AIR IDS: -
CAA Permit Types: -
CAA NAICS: -
CAA SICS: -
NPDES IDS: -

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GENERON IGS, INC (Continued)

1027363254

CWA Permit Types:	-
CWA NAICS:	-
CWA SICs:	-
RCRA IDS:	-
RCRA Permit Types:	-
RCRA NAICS:	-
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-121.842264,%22y%22:38.024995,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

A3
NNE
< 1/8
0.103 mi.
546 ft.

GENERON I G S PITTSBURGH
FOOT OF LOVERIDGE RD
PITTSBURG, CA 94565
Site 2 of 2 in cluster A

RCRA NonGen / NLR **1001085604**
EMI **CAR000009274**
CERS

Relative:
Lower
Actual:
5 ft.

RCRA Listings:	
Date Form Received by Agency:	20200421
Handler Name:	Generon I G S Pittsburgh
Handler Address:	FOOT OF LOVERIDGE RD
Handler City,State,Zip:	PITTSBURG, CA 94565
EPA ID:	CAR000009274
Contact Name:	KAREN SKALA
Contact Address:	P O BOX 271
Contact City,State,Zip:	PITTSBURG, CA 94565
Contact Telephone:	925-431-1032
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P O BOX 271
Mailing City,State,Zip:	PITTSBURG, CA 94565
Owner Name:	Innovative Gas Systems
Owner Type:	Private
Operator Name:	Generon Igs
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GENERON I G S PITTSBURGH (Continued)

1001085604

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200422
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2019

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D001
 Waste Description: Ignitable Waste

Waste Code: F001
 Waste Description: The Following Spent Halogenated Solvents Used In Degreasing:
 Tetrachloroethylene, Trichlorethylene, Methylene Chloride,
 1,1,1-Trichloroethane, Carbon Tetrachloride And Chlorinated
 Fluorocarbons; All Spent Solvent Mixtures/Blends Used In Degreasing
 Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of
 One Or More Of The Above Halogenated Solvents Or Those Solvents Listed
 In F002, F004, And F005; And Still Bottoms From The Recovery Of These

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERON I G S PITTSBURGH (Continued)

1001085604

Spent Solvents And Spent Solvent Mixtures.

Waste Code: F002
Waste Description: The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: U154
Waste Description: Methanol (l) (Or) Methyl Alcohol (l)

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: GENERON IGS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 16250 TOMBALL PKWY
Owner/Operator City,State,Zip: HOUSTON, TX 77086
Owner/Operator Telephone: 713-937-5200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 713-937-5250
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INNOVATIVE GAS SYSTEMS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 11985 F M 529
Owner/Operator City,State,Zip: HOUSTON, TX 77041
Owner/Operator Telephone: 713-937-5200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INNOVATIVE GAS SYSTEMS
Legal Status: Private
Date Became Current: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERON I G S PITTSBURGH (Continued)

1001085604

Date Ended Current: Not reported
Owner/Operator Address: 11985 F M 529
Owner/Operator City,State,Zip: HOUSTON, TX 77041
Owner/Operator Telephone: 713-937-5200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CORTEVA AGRISCIENCE
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 901 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GENERON IGS
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 16250 TOMBALL PARKWAY
Owner/Operator City,State,Zip: HOUSTON, TX 77086
Owner/Operator Telephone: 713-937-5200
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20200227
Handler Name: GENERON IGS PITTSBURG CA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200421
Handler Name: GENERON I G S PITTSBURGH
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERON I G S PITTSBURGH (Continued)

1001085604

Electronic Manifest Broker: No

Receive Date: 20020624
Handler Name: GENERON I G S PITTSBURGH
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 325120
NAICS Description: INDUSTRIAL GAS MANUFACTURING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

EMI:

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 945650000
Year: 2001
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 945650000
Year: 2003
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERON I G S PITTSBURGH (Continued)

1001085604

SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 945650000
Year: 2004
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.181
Reactive Organic Gases Tons/Yr: 0.1689198
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.013
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.011048

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 945650000
Year: 2005
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .262
Reactive Organic Gases Tons/Yr: .242127
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .018
Part. Matter 10 Micrometers and Smllr Tons/Yr:.015548

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 945650000
Year: 2006
County Code: 7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERON I G S PITTSBURGH (Continued)

1001085604

Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .262
Reactive Organic Gases Tons/Yr: .242127
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .018
Part. Matter 10 Micrometers and Smlr Tons/Yr: .015548

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 945650000
Year: 2007
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .302
Reactive Organic Gases Tons/Yr: .2636382
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .027
Part. Matter 10 Micrometers and Smlr Tons/Yr: .023648

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2008
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .563
Reactive Organic Gases Tons/Yr: .5124142
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .033
Part. Matter 10 Micrometers and Smlr Tons/Yr: .029048

Name: GENERON IGS, INC
Address: END OF ARCY LANE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERON I G S PITTSBURGH (Continued)

1001085604

City,State,Zip: PITTSBURG, CA 94565
Year: 2009
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.2929999999999999
Reactive Organic Gases Tons/Yr: 0.27022380000000001
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.019
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.6448000000000001E-2

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2010
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.1799999999999999
Reactive Organic Gases Tons/Yr: 0.16746140000000001
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.0145555555555555
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.2448000000000001E-2

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2011
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.18
Reactive Organic Gases Tons/Yr: 0.1674614
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Map ID
Direction
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MAP FINDINGS

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EDR ID Number
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GENERON I G S PITTSBURGH (Continued)

1001085604

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2012
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.18
Reactive Organic Gases Tons/Yr: 0.1674614
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.01570654278
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.013

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2013
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.259
Reactive Organic Gases Tons/Yr: 0.238363
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.017
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.016

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2014
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.228953958
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0

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MAP FINDINGS

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GENERON I G S PITTSBURGH (Continued)

1001085604

Particulate Matter Tons/Yr: 0.016261104
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.014634993

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2015
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.264482064
Reactive Organic Gases Tons/Yr: 0.264482072
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.017911105
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.016119994

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2016
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.190771785
Reactive Organic Gases Tons/Yr: 0.1771781079
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 0.014261105
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.012834994

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2017
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.275146076
Reactive Organic Gases Tons/Yr: 0.25396598991

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GENERON I G S PITTSBURGH (Continued)

1001085604

Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 0.01836111
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.016524999

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2018
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.392841732
Reactive Organic Gases Tons/Yr: 0.36550679841
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 0.027218048
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.024496243

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2019
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.391205103
Reactive Organic Gases Tons/Yr: 0.36483798128
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 0.026556498
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.023900849

Name: GENERON IGS, INC
Address: END OF ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
Year: 2020
County Code: 7
Air Basin: SF
Facility ID: 14654
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GENERON I G S PITTSBURGH (Continued)

1001085604

Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0.462819158
 Reactive Organic Gases Tons/Yr: 0.43176419241
 Carbon Monoxide Emissions Tons/Yr: Not reported
 NOX - Oxides of Nitrogen Tons/Yr: Not reported
 SOX - Oxides of Sulphur Tons/Yr: Not reported
 Particulate Matter Tons/Yr: 0.031281853
 Part. Matter 10 Micrometers and Smllr Tons/Yr:0.028153668

CERS:

Name: GENERON IGS, INC
 Address: END OF ARCY LANE
 City,State,Zip: PITTSBURG, CA 94565-0000
 Site ID: 469814
 CERS ID: 110038005217
 CERS Description: US EPA Air Emission Inventory System (EIS)

B4
SSW
1/8-1/4
0.153 mi.
807 ft.

DELTA ENERGY CENTER, LLC
1200 ARCY LANE
PITTSBURG, CA 94565

RCRA-SQG **1004675397**
AST **CAR000072371**
WDS

Site 1 of 2 in cluster B

Relative:
Higher
Actual:
23 ft.

RCRA Listings:
 Date Form Received by Agency: 20220301
 Handler Name: Delta Energy Center, Llc
 Handler Address: 1200 ARCY LANE
 Handler City,State,Zip: PITTSBURG, CA 94565
 EPA ID: CAR000072371
 Contact Name: MARIA BARROSO
 Contact Address: ARCY LANE
 Contact City,State,Zip: PITTSBURG, CA 94565
 Contact Telephone: 925-529-8286
 Contact Fax: Not reported
 Contact Email: MBARROSO@CALPINE.COM
 Contact Title: EHS SPECIALIST III
 EPA Region: 09
 Land Type: Private
 Federal Waste Generator Description: Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: 2021
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: ARCY LN
 Mailing City,State,Zip: PITTSBURG, CA 94565
 Owner Name: Calpine Corporation
 Owner Type: Private
 Operator Name: Delta Energy Center Llc
 Operator Type: Private
 Short-Term Generator Activity: Yes
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No

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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DELTA ENERGY CENTER, LLC (Continued)

1004675397

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220701
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2021

[Click Here for Biennial Reporting System Data:](#)

Year: 2015

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D006
Waste Description:	Cadmium
Waste Code:	D007
Waste Description:	Chromium

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CENTER, LLC (Continued)

1004675397

Waste Code: D008
Waste Description: Lead

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: DELTA ENERGY CENTER LLC
Legal Status: Private
Date Became Current: 20011224
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CALPINE CORPORATION
Legal Status: Private
Date Became Current: 20011224
Date Ended Current: Not reported
Owner/Operator Address: 717 TEXAS AVENUE SUITE 1000
Owner/Operator City,State,Zip: HOUSTON, TX 77002
Owner/Operator Telephone: 713-830-2000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CALPINE CONST FINANCE CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 551
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 925-431-1301
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DELTA ENERGY CENTER LLC
Legal Status: Private
Date Became Current: 20011224
Date Ended Current: Not reported
Owner/Operator Address: 1200 ARCY LN
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 925-252-2096
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: VICTOR.SHAW@CALPINE.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: CALPINE CORPORATION
Legal Status: Private
Date Became Current: 20011224
Date Ended Current: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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DELTA ENERGY CENTER, LLC (Continued)

1004675397

Owner/Operator Address: 717 TEXAS AVENUE SUITE 1000
Owner/Operator City,State,Zip: HOUSTON, TX 77002
Owner/Operator Telephone: 713-830-2000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: VICTOR.SHAW@CALPINE.COM

Historic Generators:

Receive Date: 20160301
Handler Name: DELTA ENERGY CENTER, LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20220301
Handler Name: DELTA ENERGY CENTER, LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20000502
Handler Name: DELTA ENERGY CENTER
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 221112
NAICS Description: FOSSIL FUEL ELECTRIC POWER GENERATION

Has the Facility Received Notices of Violations:

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

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MAP FINDINGS

Site

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EDR ID Number
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DELTA ENERGY CENTER, LLC (Continued)

1004675397

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CENTER, LLC (Continued)

1004675397

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 20170125
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20180309
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

AST:

Name: DELTA ENERGY CENTER
Address: 1200 ARCY LN
City/Zip: PITTSBURG,94565
Certified Unified Program Agencies: Not reported
Owner: CALPINE CORPORATION dba DEC, LLC
Total Gallons: Not reported
CERSID: 10017064
Facility ID: 07-000-773111
Business Name: DELTA ENERGY CENTER
Phone: 925-252-2060
Fax: 925-252-2073
Mailing Address: PO BOX 551

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DELTA ENERGY CENTER, LLC (Continued)

1004675397

Mailing Address City: PITTSBURG
Mailing Address State: CA
Mailing Address Zip Code: 94565
Operator Name: DELTA ENERGY CENTER, LLC
Operator Phone: 925-252-2060
Owner Phone: 925-252-2060
Owner Mail Address: PO BOX 551
Owner State: CA
Owner Zip Code: 94565
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CAR000072371

Name: DELTA ENERGY CENTER
Address: 1200 ARCY LN
City/Zip: PITTSBURG,
Certified Unified Program Agencies: Contra Costa
Owner: Not reported
Total Gallons: 1,320
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

WDS:

Name: CALPINE CORP DELTA ENERGY CTR
Address: 1200 Arcy Ln
City: PITTSBURG
Facility ID: San Francisco Bay 071017129
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or

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DELTA ENERGY CENTER, LLC (Continued)

1004675397

processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 2

Facility Telephone: 9252522068

Facility Contact: ZEIGER DAVID

Agency Name: CALPINE CORP

Agency Address: PO Box 551

Agency City,St,Zip: Pittsburg 945650055

Agency Contact: ZEIGER DAVID

Agency Telephone: 9254311301

Agency Type: ?

SIC Code: 0

SIC Code 2: Not reported

Primary Waste Type: Not reported

Primary Waste: Not reported

Waste Type2: Not reported

Waste2: Not reported

Primary Waste Type: Not reported

Secondary Waste: Not reported

Secondary Waste Type: Not reported

Design Flow: 0

Baseline Flow: 0

Reclamation: Not reported

POTW: Not reported

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

B5
SSW
 1/8-1/4
 0.153 mi.
 807 ft.

DELTA ENERGY CTR
1200 ARCY LN
PITTSBURG, CA 94565

Site 2 of 2 in cluster B

CERS HAZ WASTE
CERS TANKS
CHMIRS
NPDES
CIWQS
CERS

S105886148
N/A

Relative:
Higher

Actual:
23 ft.

CERS HAZ WASTE:
 Name: DELTA ENERGY CENTER
 Address: 1200 ARCY LN
 City,State,Zip: PITTSBURG, CA 94565
 Site ID: 391273
 CERS ID: 10017064
 CERS Description: Hazardous Chemical Management

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Name: DELTA ENERGY CENTER
Address: 1200 ARCY LN
City,State,Zip: PITTSBURG, CA 94565
Site ID: 391273
CERS ID: 10017064
CERS Description: Hazardous Waste Generator

CERS TANKS:

Name: DELTA ENERGY CENTER
Address: 1200 ARCY LN
City,State,Zip: PITTSBURG, CA 94565
Site ID: 391273
CERS ID: 10017064
CERS Description: Aboveground Petroleum Storage

CHMIRS:

Name: Not reported
Address: 1200 ARCY LANE
City,State,Zip: PITTSBURG, CA 94565
OES Incident Number: 3-0993
OES notification: 02/20/2003
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Cal Pine Delta Energy Center
Incident Date:	2/20/200312:00:00 AM
Admin Agency:	Contra Costa County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Utilities/Substation
E Date:	Not reported
Substance:	Used Compressor Oil
Gallons:	20
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	When the plant restarted it over pressured the oily water separator, causing the oily water separator to over flow. RP states a small amount has entered a storm drain. They are taking measures to prevent substance from entering the nearby Dowest SSlough via the storm drain. The product is not near the slough at this time, but they have put absorbent pigs in the outfall structure to prevent substance from entering the slough, as a preventative measure.
Name:	Not reported
Address:	1200 ARCY LANE
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	2-5391
OES notification:	10/04/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2002
Agency: Calpine Delta Energy Center
Incident Date: 10/4/2002 12:00:00 AM
Admin Agency: Contra Costa County Health Services Dept.
Amount: Not reported
Contained: Yes
Site Type: Other
E Date: Not reported
Substance: oil
Gallons: 126
Unknown: 0
Substance #2: Not reported
Substance #3: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fataals: Not reported
Comments: Not reported
Description: at a power plant a combined current and voltage transformer exploded, causing a fire. Fire is out. all oil contained that did not burn.

NPDES:

Name: DELTA ENERGY CTR
Address: 1200 ARCY LN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

City,State,Zip: PITTSBURG, CA 94565
Facility Status: Active
NPDES Number: CAS000001
Region: 2
Agency Number: 0
Regulatory Measure ID: 181952
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 2 071017129
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/12/2002
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: PO Box 551
Discharge Name: Delta Energy Center
Discharge City: Pittsburg
Discharge State: California
Discharge Zip: 94565
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 2
Regulatory Measure ID: 181952
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 2 071017129
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 03/12/2002
Status: Active
Status Date: 03/12/2002
Place Size: 20
Place Size Unit: Acres
Contact: Dale Donmoyer
Contact Title: General Manager
Contact Phone: 925-252-2096
Contact Phone Ext: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Contact Email:	ddonmoyer@calpine.com
Operator Name:	Delta Energy Center
Operator Address:	PO Box 551
Operator City:	Pittsburg
Operator State:	California
Operator Zip:	94565
Operator Contact:	Dale Donmoyer
Operator Contact Title:	General Manager
Operator Contact Phone:	925-252-2096
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	ddonmoyer@calpine.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	925-252-2060
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Joaquin River
Certifier:	Dale Donmoyer
Certifier Title:	General Manager
Certification Date:	04-JUN-15
Primary Sic:	4911-Electric Services
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	181952
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 07I017129
Program Type:	Industrial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/12/2002
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Delta Energy Center
Discharge Address: PO Box 551
Discharge City: Pittsburg
Discharge State: California
Discharge Zip: 94565
Received Date: Not reported
Processed Date: Not reported
Status: Not reported
Status Date: Not reported
Place Size: Not reported
Place Size Unit: Not reported
Contact: Not reported
Contact Title: Not reported
Contact Phone: Not reported
Contact Phone Ext: Not reported
Contact Email: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
Name:	DELTA ENERGY CTR
Address:	1200 ARCY LN
City,State,Zip:	PITTSBURG, CA 94565
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	2 071017129
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/12/2002
Operator Name:	Delta Energy Center
Operator Address:	PO Box 551
Operator City:	Pittsburg
Operator State:	California
Operator Zip:	94565
NPDES as of 03/2018:	
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	2
Regulatory Measure ID:	181952
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	2 071017129
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/12/2002
Status:	Active
Status Date:	03/12/2002
Place Size:	20
Place Size Unit:	Acres
Contact:	Dale Donmoyer
Contact Title:	General Manager
Contact Phone:	925-252-2096
Contact Phone Ext:	Not reported
Contact Email:	ddonmoyer@calpine.com
Operator Name:	Delta Energy Center
Operator Address:	PO Box 551
Operator City:	Pittsburg
Operator State:	California
Operator Zip:	94565
Operator Contact:	Dale Donmoyer
Operator Contact Title:	General Manager
Operator Contact Phone:	925-252-2096
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	ddonmoyer@calpine.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	925-252-2060
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Joaquin River
Certifier:	Dale Donmoyer
Certifier Title:	General Manager
Certification Date:	04-JUN-15
Primary Sic:	4911-Electric Services
Secondary Sic:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	181952
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 07I017129
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/12/2002
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Delta Energy Center
Discharge Address:	PO Box 551
Discharge City:	Pittsburg
Discharge State:	California
Discharge Zip:	94565
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported
Receiving Water Name: Not reported
Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:

Name: DELTA ENERGY CTR
Address: 1200 ARCY LN
City,State,Zip: PITTSBURG, CA 94565
Agency: Delta Energy Center
Agency Address: PO Box 551, Pittsburg, CA 94565
Place/Project Type: Industrial - Electric Services
SIC/NAICS: 4911
Region: 2
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 2 071017129
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 03/12/2002
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.01734
Longitude: -121.8459

CERS:

Name: DELTA ENERGY CENTER
Address: 1200 ARCY LN
City,State,Zip: PITTSBURG, CA 94565
Site ID: 391273
CERS ID: 10017064

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

CERS Description: Chemical Storage Facilities

Violations:

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Violation Date: 05-06-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide and maintain secondary containment for bulk storage tank installations (except for mobile refuelers and other non-transportation-related tank trucks) sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation.
Violation Notes: Returned to compliance on 06/06/2019. OBSERVATION: Failure to maintain secondary containment for bulk storage tank installations sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation. Facility has secondary containment under their used oil tank however it appeared to be about have full of used oil. Facility had approximately 10-15 drums of new product directly outside the covered area from the used oil that had standing water. Facility needs to maintain adequate secondary containment. CORRECTIVE ACTION: Provide and maintain adequate secondary containment for bulk storage containers.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Violation Date: 01-25-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 01/25/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Violation Date: 05-06-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide and maintain secondary containment for bulk storage tank installations (except for mobile refuelers and other non-transportation-related tank trucks) sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation.
Violation Notes: Returned to compliance on 05/06/2019. OBSERVATION: Failure to provide and maintain secondary containment for bulk storage tank installations sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation. Facility had at least one valve open upon inspection. Valve was located near the switch board area of the site. CORRECTIVE ACTION: Provide and maintain adequate secondary containment for bulk storage containers. However this was corrected on site.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Violation Source: CERS,

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Violation Date: 05-06-2019
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Release/Leaks/Spills - General
Violation Notes: Returned to compliance on 06/06/2019. Near the condenser, at the open drain, there appeared to be oil around the the drain. Water was present, however there was large staining and upon inspection a residue was present. Facility is to maintain containment and ensure spills/releases are cleaned up immediately.

Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Violation Date: 05-15-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/17/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Violation Date: 05-15-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Training - General
Violation Notes: Returned to compliance on 05/17/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Violation Date: 05-06-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to prepare an SPCC Plan which fulfills all basic requirements that include: 1. The SPCC Plan must be prepared in accordance with good engineering practices. 2. Have full approval of management at a level of authority to commit the necessary resources to fully implement the SPCC Plan. 3. Prepare the SPCC Plan in writing. 4. Follow the sequence of the SPCC rule or include a cross-reference. 5. If the SPCC Plan calls for additional procedures, methods, or equipment not yet fully operational, discuss the items in separate paragraphs."
Violation Notes: Returned to compliance on 06/06/2019. OBSERVATION: Failure to prepare SPCC Plan that meets the following requirements: 1. Follows the sequence of SPCC rule and/or includes cross-reference. CORRECTIVE ACTION: Prepare a SPCC plan that: 1. Follows a sequence of rule and/or

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

includes a cross-reference.
 Violation Division: Contra Costa County Health Services Department
 Violation Program: APSA
 Violation Source: CERS,

Site ID: 391273
 Site Name: DELTA ENERGY CENTER
 Violation Date: 05-06-2019
 Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
 Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
 Violation Notes: Returned to compliance on 06/05/2019. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
 Violation Division: Contra Costa County Health Services Department
 Violation Program: HMRRP
 Violation Source: CERS,

Evaluation:
 Eval General Type: Compliance Evaluation Inspection
 Eval Date: 01-25-2017
 Violations Found: No
 Eval Type: Routine done by local agency
 Eval Notes: Not reported
 Eval Division: Contra Costa County Health Services Department
 Eval Program: APSA
 Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
 Eval Date: 01-25-2017
 Violations Found: Yes
 Eval Type: Routine done by local agency
 Eval Notes: Not reported
 Eval Division: Contra Costa County Health Services Department
 Eval Program: HMRRP
 Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
 Eval Date: 03-07-2023
 Violations Found: No
 Eval Type: Routine done by local agency
 Eval Notes: Not reported
 Eval Division: Contra Costa County Health Services Department
 Eval Program: APSA
 Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
 Eval Date: 05-06-2019
 Violations Found: Yes
 Eval Type: Routine done by local agency
 Eval Notes: Not reported
 Eval Division: Contra Costa County Health Services Department

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-23-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-09-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-09-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	CalARP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	CalARP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-07-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-09-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-21-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-10-2019
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-01-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-01-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-06-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-01-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: additional report writing time
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Enforcement Action:

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Site Address: 1200 ARCY LN
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 01-25-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Site Address: 1200 ARCY LN
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 05-06-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Site Address: 1200 ARCY LN
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 05-15-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 391273
Site Name: DELTA ENERGY CENTER
Site Address: 1200 ARCY LN
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 05-06-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Affiliation:

Affiliation Type Desc: Identification Signer
Entity Name: Jeff Sorenson

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Entity Title: EHS Manager III
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: DELTA ENERGY CENTER, LLC
Entity Title: Not reported
Affiliation Address: 1200 Arcy Lane
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94565
Affiliation Phone: (925) 252-2060,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Environmental Contact
Entity Name: Jeffry Sorenson
Entity Title: Not reported
Affiliation Address: 1200 Arcy Lane
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: DELTA ENERGY CENTER, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 252-2060,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1200 Arcy Lane
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Affiliation Type Desc: Parent Corporation
Entity Name: DELTA ENERGY CENTER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Jeff Sorenson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: DELTA ENERGY CENTER
Address: 1200 ARCY LANE
City,State,Zip: PITTSBURG, CA 94565-2810
Site ID: 464239
CERS ID: 110002936538
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: ED WARNER
Entity Title: Not reported
Affiliation Address: POBOX 551
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MICHAEL SOMMER
Entity Title: GENERAL MANAGER
Affiliation Address: POBOX 551
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: WILLIAM FERGUSON
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Affiliation Type Desc: Environmental Contact
Entity Name: DALE DONMOYER
Entity Title: GENERAL MANAGER
Affiliation Address: 1200 ARCY LANE
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: DELTA ENGRY CTR
Entity Title: OWNER
Affiliation Address: 1610 WHIPPLE ROAD
Affiliation City: UNIONCITY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JEFF SORENSON
Entity Title: COMPLIANCE SPECIALIST
Affiliation Address: 1200 ARCY LANE
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MARIA BARROSO
Entity Title: EHS SPECIALIST II
Affiliation Address: 1200 ARCY LANEPOBOX 551
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ROBERT PARKER
Entity Title: OPERATIONS MANAGER
Affiliation Address: 2500 BATES AVE
Affiliation City: CONCORD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: DELTA ENERGY CTR
Address: 1200 ARCY LN
City,State,Zip: PITTSBURG, CA 94565
Site ID: 530437
CERS ID: 216641
CERS Description: Industrial Facility Storm Water

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Violations:

Site ID: 530437
Site Name: Delta Energy Ctr
Violation Date: 07-02-2013
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: missing annual report
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Enforcement Action:

Site ID: 530437
Site Name: Delta Energy Ctr
Site Address: 1200 ARCY LN
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 01-30-2014
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Notice of Noncompliance for missing 2012-13 Annual Report
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Affiliation:

Affiliation Type Desc: Owner/Operator
Entity Name: Delta Energy Center
Entity Title: Operator
Affiliation Address: PO Box 551
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Name: CPN PIPELINE - DEC BLEND STATION
Address: 1200 ARCY LN
City,State,Zip: PITTSBURG, CA 94565
Site ID: 374036
CERS ID: 10684762
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 374036
Site Name: CPN Pipeline - DEC Blend Station
Violation Date: 04-01-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/04/2019. OBSERVATION: AS OF APRIL 1, 2019, CCHSHMP HAS NOT RECEIVED/ACCEPTED A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) SUBMITTAL FOR THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

FOLLOWING SUBMITTAL ELEMENT(S): Hazardous Materials Inventory. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (<https://cers.calepa.ca.gov/>) AND SUBMIT COMPLETE/CORRECT Hazardous Materials Inventory.

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 04-01-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-13-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:

Site ID: 374036
Site Name: CPN Pipeline - DEC Blend Station
Site Address: 1200 ARCY LN
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 04-01-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 374036
Facility Name: CPN Pipeline - DEC Blend Station
Env Int Type Code: HMBP
Program ID: 10684762
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 38.017340
Longitude: -121.845900

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: SCOTT VICKERS
Entity Title: Not reported
Affiliation Address: 60 River Road
Affiliation City: Rio Vista
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94571
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: CPN Pipeline Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (707) 374-1500,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Legal Owner
Entity Name: SCOTT VICKERS
Entity Title: Not reported
Affiliation Address: 60 River Road
Affiliation City: Rio Vista
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94571
Affiliation Phone: (707) 374-1505,

Affiliation Type Desc: Document Preparer
Entity Name: Scott Vickers

Map ID
 Direction
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 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DELTA ENERGY CTR (Continued)

S105886148

Entity Title: Not reported
 Affiliation Address: Not reported
 Affiliation City: Not reported
 Affiliation State: Not reported
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
 Entity Name: Mailing Address
 Entity Title: Not reported
 Affiliation Address: 60 River Road
 Affiliation City: Rio Vista
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: 94571
 Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
 Entity Name: Scott Vickers
 Entity Title: Compliance Manager
 Affiliation Address: Not reported
 Affiliation City: Not reported
 Affiliation State: Not reported
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
 Entity Name: CPN Pipeline Company
 Entity Title: Not reported
 Affiliation Address: Not reported
 Affiliation City: Not reported
 Affiliation State: Not reported
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: ,

C6
SSE
 1/8-1/4
 0.195 mi.
 1029 ft.

DELTA DIABLO SANITATION DISTR
2500 PITTSBURG-ANTIOCH HWY
ANTIOCH, CA 94509
 Site 1 of 7 in cluster C

SWEEPS UST 1000593738
CA FID UST N/A
ENF
CONTRA COSTA CO. SITE LIST
CIWQS

Relative:
Lower
Actual:
12 ft.

SWEEPS UST:
 Name: DELTA DIABLO SANITATION DISTR
 Address: 2500 PITTSBURG-ANTIOCH HWY
 City: ANTIOCH
 Status: Active
 Comp Number: 70179
 Number: 6
 Board Of Equalization: 44-002395
 Referral Date: 11-25-91
 Action Date: 11-25-91
 Created Date: 07-22-88
 Owner Tank Id: TKF-7102
 SWRCB Tank Id: 07-000-070179-000001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTR (Continued)

1000593738

Tank Status: A
Capacity: 1000
Active Date: 11-25-91
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Name: DELTA DIABLO SANITATION DISTR
Address: 2500 PITTSBURG-ANTIOCH HWY
City: ANTIOCH
Status: Active
Comp Number: 70179
Number: 6
Board Of Equalization: 44-002395
Referral Date: 11-25-91
Action Date: 11-25-91
Created Date: 07-22-88
Owner Tank Id: TKF-7101
SWRCB Tank Id: 07-000-070179-000002
Tank Status: A
Capacity: 4000
Active Date: 11-25-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:

Facility ID: 07001557
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4157784040
Mail To: Not reported
Mailing Address: 2500 PITTSBURG/ANTIOCH HWY
Mailing Address 2: Not reported
Mailing City,St,Zip: ANTIOCH 94509
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

ENF:

Name: DELTA DIABLO SD CS
Address: 2500 PITTSBURG-ANTIOCH HIGHWAY
City,State,Zip: ANTIOCH, CA 94509
Region: 2
Facility Id: 630841
Agency Name: Delta Diablo
Place Type: Utility
Place Subtype: Collection_System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTR (Continued)

1000593738

Facility Type:	Municipal/Domestic
Agency Type:	County Agency
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNISML
Program Category1:	SSO
Program Category2:	SSO
# Of Programs:	1
WDID:	2SSO10127
Reg Measure Id:	299882
Reg Measure Type:	Enrollee
Region:	2
Order #:	2006-0003-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4676
Status:	Active
Status Date:	08/14/2006
Effective Date:	08/14/2006
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTR (Continued)

1000593738

Direction/Voice: Passive
Enforcement Id(EID): 393924
Region: Not reported
Order / Resolution Number: Not reported
Enforcement Action Type: Notice of Violation
Effective Date: 10/15/2013
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 01/14/2014
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: NOV 10/15/2013 for Delta Diablo Sanitation District, Delta Diablo SD
CS
Description: Not reported
Program: SSOMUNISML
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

CONTRA COSTA CO. SITE LIST:

Name: DELTA DIABLO SANITATION DISTRICT - TREATMENT PLANT
Address: 2500 PITTSBURG-ANTIOCH HWY
City: ANTIOCH
Facility ID: FA0032730
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: UNDERGROUND STORAGE TANK SITE
Region: CONTRA COSTA
Cupa Number: 770179
CERS ID: 10008715

Name: DELTA DIABLO SANITATION DISTRICT - TREATMENT PLANT
Address: 2500 PITTSBURG-ANTIOCH HWY
City: ANTIOCH
Facility ID: FA0032730
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: APSA: 10K - <100K GALLONS
Region: CONTRA COSTA
Cupa Number: 770179
CERS ID: 10008715

Name: DELTA DIABLO SANITATION DISTRICT - TREATMENT PLANT
Address: 2500 PITTSBURG-ANTIOCH HWY
City: ANTIOCH
Facility ID: FA0032730
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >500K-2.5M LBS
Region: CONTRA COSTA

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DELTA DIABLO SANITATION DISTR (Continued)

1000593738

Cupa Number: 770179
 CERS ID: 10008715

Name: DELTA DIABLO SANITATION DISTRICT - TREATMENT PLANT
 Address: 2500 PITTSBURG-ANTIOCH HWY
 City: ANTIOCH
 Facility ID: FA0032730
 Billing Status: ACTIVE, BILLABLE
 Program Status: CONTRA COSTA CO. SITE LIST
 Program/Elements: HWG: 5 - <12 TONS/YEAR
 Region: CONTRA COSTA
 Cupa Number: 770179
 CERS ID: 10008715

CIWQS:

Name: DELTA DIABLO SD CS
 Address: 2500 PITTSBURG-ANTIOCH HIGHWAY
 City,State,Zip: ANTIOCH, CA 94509
 Agency: Delta Diablo
 Agency Address: 2500 Pittsburg Antioch Highway, Antioch, CA 94509
 Place/Project Type: Collection_System
 SIC/NAICS: Not reported
 Region: 2
 Program: SSOMUNISML
 Regulatory Measure Status: Active
 Regulatory Measure Type: Enrollee
 Order Number: 2006-0003-DWQ
 WDID: 2SSO10127
 NPDES Number: Not reported
 Adoption Date: Not reported
 Effective Date: 08/14/2006
 Termination Date: Not reported
 Expiration/Review Date: Not reported
 Design Flow: Not reported
 Major/Minor: Minor
 Complexity: C
 TTWQ: 2
 Enforcement Actions within 5 years: 0
 Violations within 5 years: 0
 Latitude: Not reported
 Longitude: Not reported

C7
SSE
 1/8-1/4
 0.195 mi.
 1029 ft.

DELTA DIABLO
2500 PITTSBURG ANTIOCH HWY
ANTIOCH, CA 94509
 Site 2 of 7 in cluster C

RCRA NonGen / NLR **1024788756**
CAL000049640

Relative:
Lower
Actual:
12 ft.

RCRA Listings:
 Date Form Received by Agency: 19940927
 Handler Name: Delta Diablo
 Handler Address: 2500 PITTSBURG ANTIOCH HWY
 Handler City,State,Zip: ANTIOCH, CA 94509-1373
 EPA ID: CAL000049640
 Contact Name: AMANDA ROA
 Contact Address: 2500 PITTSBURG ANTIOCH HWY
 Contact City,State,Zip: ANTIOCH, CA 94509

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DELTA DIABLO (Continued)

1024788756

Contact Telephone:	925-756-1940
Contact Fax:	925-756-1960
Contact Email:	AMANDAR@DELTADIABLO.ORG
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2500 PITTSBURG ANTIOCH HWY
Mailing City, State, Zip:	ANTIOCH, CA 94509-1373
Owner Name:	Delta Diablo
Owner Type:	Other
Operator Name:	Amanda Roa
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO (Continued)

1024788756

Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: AMANDA ROA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2500 PITTSBURG ANTIOCH HWY
Owner/Operator City,State,Zip: ANTIOCH, CA 94509
Owner/Operator Telephone: 925-756-1940
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: DELTA DIABLO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2500 PITTSBURG ANTIOCH HWY
Owner/Operator City,State,Zip: ANTIOCH, CA 94509-1373
Owner/Operator Telephone: 925-756-1900
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19940927
Handler Name: DELTA DIABLO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 22132
NAICS Description: SEWAGE TREATMENT FACILITIES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

C8 DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT **AST** **A100419344**
SSE 2500 PITTSBURG ANTIOCH HWY **N/A**
 1/8-1/4 ANTIOCH, CA 94509
 0.195 mi.
 1029 ft. **Site 3 of 7 in cluster C**

Relative: AST:
Lower Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Actual: Address: 2500 PITTSBURG ANTIOCH HWY
12 ft. City/Zip: ANTIOCH,94509
 Certified Unified Program Agencies: Not reported
 Owner: DELTA DIABLO
 Total Gallons: Not reported
 CERSID: 10008715
 Facility ID: 07-000-770179
 Business Name: DELTA DIABLO SANITATION DISTRICT - TREATMENT PLANT
 Phone: (925) 756-1900
 Fax: (925) 756-1960
 Mailing Address: 2500 PITTSBURG-ANTIOCH HWY.
 Mailing Address City: ANTIOCH
 Mailing Address State: CA
 Mailing Address Zip Code: Not reported
 Operator Name: DELTA DIABLO
 Operator Phone: (925) 382-6960
 Owner Phone: (925) 756-1900
 Owner Mail Address: 2500 PITTSBURG-ANTIOCH HWY.
 Owner State: CA
 Owner Zip Code: Not reported
 Owner Country: United States
 Property Owner Name: Not reported
 Property Owner Phone: Not reported
 Property Owner Mailing Address: Not reported
 Property Owner City: Not reported
 Property Owner Stat : Not reported
 Property Owner Zip Code: Not reported
 Property Owner Country: Not reported
 EPAID: CAL000049640

C9 DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT **CERS HAZ WASTE** **S121754409**
SSE 2500 PITTSBURG ANTIOCH HWY **CERS TANKS** **N/A**
 1/8-1/4 ANTIOCH, CA 94509 **CERS**
 0.195 mi. **NON-CASE INFO**
 1029 ft. **Site 4 of 7 in cluster C**

Relative: CERS HAZ WASTE:
Lower Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Actual: Address: 2500 PITTSBURG ANTIOCH HWY
12 ft. City,State,Zip: ANTIOCH, CA 94509
 Site ID: 24639
 CERS ID: 10008715
 CERS Description: Hazardous Waste Generator

CERS TANKS:
 Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
 Address: 2500 PITTSBURG ANTIOCH HWY
 City,State,Zip: ANTIOCH, CA 94509
 Site ID: 24639
 CERS ID: 10008715
 CERS Description: Aboveground Petroleum Storage

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

CERS:

Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Address: 2500 PITTSBURG ANTIOCH HWY
City,State,Zip: ANTIOCH, CA 94509
Site ID: 24639
CERS ID: 10008715
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 03-02-2022
Citation: HSC 6.7 25291(a)(1) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(1)
Violation Description: Failure to construct, operate, and maintain primary containment as product-tight.
Violation Notes: Returned to compliance on 07/12/2022. OBSERVATION: UST system primary containment is not constructed, operated, and maintained product-tight. Diesel primary containment observed to be leaking. Diesel observed in the annular space. First observed on 3/26/2021. UST has not been repaired. CORRECTIVE ACTION: Remove tank or construct, operate, and maintain UST primary containment system so that it is product tight.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 03-02-2022
Citation: 23 CCR 16 2712(b)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(3)
Violation Description: Failure to comply with one or more of the following requirements for the cathodic protection system: Install corrosion protection for USTs and/or the field-installed cathodic protection system to meet the consensus standards. For impressed current: Have corrosion protection equipment turned on and functioning properly. Inspect the impressed-current system every 60 days. Test the impressed-current system within six months of installation or repair and at least every 36 months thereafter. For sacrificial anodes: Check sacrificial anodes within six months of installation or repair and at least once every 36 months thereafter in accordance with the manufacturer s instructions. For all corrosion protection systems: Maintain records for 78 months on-site or off-site at a readily available location if approved by the UPA.

Violation Notes: Returned to compliance on 07/12/2022. OBSERVATION: Owner/Operator did not install corrosion protection system to meet the consensus standards, did not maintain records for 78 months on-site or off-site at a readily available location if approved by the UPA, or did not do one or more of the following for an impressed current system: inspect system every 60 calendar days; have corrosion protection equipment turned on and functioning properly; test system within six months of installation or repair and at least every three years thereafter. For sacrificial anodes failed to check within six months of installation or repair and at least once every 36 months thereafter in accordance with the manufacturer s instructions. Corrosion protection system reported to fail testing on 4/22/2021. System has not been repaired.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

CORRECTIVE ACTION: Correct the deficiencies cited above and submit verification.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-12-2015
Citation: Un-Specified
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes: Returned to compliance on 01/12/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 09-10-2019
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 11/12/2019. Observation: Facility has failed to do one of the following: 1) Certify Monitoring system every 12 months for operability, proper operating condition, and proper calibration. 2) Owners or operators shall submit a completed Monitoring System Certification Form to the local agency within 30 days of the completion of the inspection. 3) The owner or operator shall notify the local agency at least 48 hours prior to conducting the installation, repair, replacement, calibration, or certification of monitoring equipment. Corrective Action: Notify CCHSHMP of the Monitoring System Certification testing date with 48 hours notice and/or Submit a completed Monitoring System Certification Form to CCHSHMP within 30 days of the testing date.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 04-12-2021
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/29/2021. OBSERVATION: AS OF April 12, 2021, CCHSHMP HAS NOT RECEIVED/ACCEPTED A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) SUBMITTAL FOR THE FOLLOWING SUBMITTAL ELEMENT(S): Emergency Response/Training Plans.CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (<https://cers.calepa.ca.gov/>) AND SUBMIT COMPLETE/CORRECT Emergency Response/Training Plans.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-25-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/10/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 02-23-2018
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/23/2018. OBSERVATION: The cleaning product in the oil room needs to be moved or place in separate secondary containment (pH is 12.4 per MSDS) . CORRECTIVE ACTION: Move or place drum on secondary containment - send photo to CCHS attn: Melissa J Hagen.

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 09-10-2019
Citation: 23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)

Violation Description: "Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."
Violation Notes: Returned to compliance on 11/12/2019. Observation: Facility has failed to do one of the following: 1) Conduct tightness testing of secondary containment at least once every 36 months 2) Underground storage tank owners and operators shall submit a copy of the Secondary Containment Testing Report Form to the local agency within 30 days of the completion of the secondary containment test. 3) The owner or operator shall notify the local agency at least 48 hours prior to conducting the secondary containment test. Corrective Action: Notify CCHSHMP of the Secondary Containment Testing date within 48 hours notice and/or Submit a completed Secondary Containment Testing Report Form to CCHSHMP within 30 days of the testing date.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

<p>Violation Division: Violation Program: Violation Source:</p> <p>Site ID: Site Name: Violation Date: Citation:</p> <p>Violation Description: Violation Notes: Violation Division: Violation Program: Violation Source:</p> <p>Site ID: Site Name: Violation Date: Citation:</p> <p>Violation Description: Violation Notes: Violation Division: Violation Program: Violation Source:</p> <p>Site ID: Site Name: Violation Date: Citation:</p> <p>Violation Description: Violation Notes: Violation Division: Violation Program: Violation Source:</p> <p>Site ID: Site Name: Violation Date: Citation:</p> <p>Violation Description: Violation Notes: Violation Division: Violation Program: Violation Source:</p> <p>Site ID: Site Name: Violation Date: Citation:</p> <p>Violation Description: Violation Notes: Violation Division:</p>	<p>Contra Costa County Health Services Department UST CERS,</p> <p>24639 DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT 05-09-2016 HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Tiered Permitting Program - Administration/Documentation - General Returned to compliance on 05/12/2016. Contra Costa County Health Services Department HW CERS,</p> <p>24639 DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT 03-27-2018 HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286 Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit. Returned to compliance on 04/03/2018. Contra Costa County Health Services Department UST CERS,</p> <p>24639 DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT 02-02-2015 HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Haz Waste Generator Program - Administration/Documentation - General Returned to compliance on 02/02/2015. Contra Costa County Health Services Department HW CERS,</p> <p>24639 DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT 03-26-2021 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1) Failure of the leak detection equipment to have an audible and visual alarm as required. Returned to compliance on 07/12/2022. OBSERVATION: The diesel UDC stand alone Beaudreau leak sensor failed to stop the flow of product at the dispenser when tested. All monitoring equipment shall be maintained to activate an audible and visual alarm or stop the flow of product at the dispenser when it detects a leak. CORRECTIVE ACTION: Correct immediately by having a properly licensed, trained, and certified contractor replace the failed component with a functional component (LG 113-x listed, if applicable) and obtain a permit from the CUPA. If the failed component can t be replaced immediately, there is a possibility that the diesel UST system may be red tagged to prevent fuel inputs. Contra Costa County Health Services Department</p>
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-24-2020
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 02/27/2020. OBSERVATION: Owner/Operator failed to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). During inspection, only one trained employee observed. UST stay in operation on days that the trained employee is not present. CORRECTIVE ACTION: Ensure that at least one employee is present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 03-27-2023
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with one or more of the following requirements: 1. Have record of inspections and tests, including integrity tests, signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and tests, including integrity tests, for at least three years. 3. Keep comparison records.
Violation Notes: OBSERVATION: Failure to comply with one or more of the following requirements: 1. Have record of inspections and tests, including integrity tests, signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and tests, including integrity tests, for at least three years. 3. Keep comparison records for bulk storage containers subject to 40 CFR 112.8(c)(6). CORRECTIVE ACTION: Keep written inspection procedures, records of inspections and testing, signed by appropriate supervisor/inspector, for at least 3 years. please send last monthly inspection for treatment plant to: mhagen@cchealth.org ~
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 02-23-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Violation Notes: quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan. Returned to compliance on 03/30/2018. OBSERVATION: The existing chemical inventory needs to be updated with corrected amounts for: oxygen/acetylene-maintenance shop and citrus/cleaning product (55 gallon each) in the oil room; the diesel in the mobile pumps (approx. 6 onsite); 10,000 gal sodium hypochlorite tank/sulfuric acid solution in scrubber tank; check the % on the sodium bisulfite solution (40% or 25%?); waste antifreeze drum (1x55 gal) and remove the CANDO project inventory. Also be sure liquids are in gallons, not pounds. CORRECTIVE ACTION: Update inventory in CERS.

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-29-2013
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/19/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 09-10-2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: Returned to compliance on 11/12/2019. Observation: Facility has failed to do one of the following: 1) Test spill container every 12 months 2) Owners or operators shall submit a copy of the Spill Container Testing Report Form to the local agency within 30 days of the completion of the spill container test. 3) Owners or operators shall notify the local agency at least 48 hours prior to conducting the spill container test. Corrective Action: Notify CCHSHMP of the Spill Container testing date with 48 hours notice and/or Submit a completed ""Spill Container Testing Report Form"" to CCHSHMP within 30 days of the testing date.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT

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Elevation

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Violation Date: 01-25-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/25/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-25-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/27/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-29-2013
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/19/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 09-10-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

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Violation Notes: standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Returned to compliance on 11/12/2019. Observation: Facility has failed to do one of the following: 1) Test overfill Once by October 13, 2018 and every 36 months thereafter 2) Owners or operators shall submit a copy of the Overfill Prevention Equipment Inspection Report Form to the local agency within 30 days of the completion of the overfill prevention equipment inspection. 3) Owners or operators shall notify the local agency at least 48 hours prior to conducting the inspection. Corrective Action: Notify CCHSHMP of the Overfill Prevention testing date within 48 hours notice and/or Submit a completed "Overfill Prevention Equipment Inspection Report Form" to CCHSHMP within 30 days of the testing date.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 04-12-2021
Citation: HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description: Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes: Returned to compliance on 04/29/2021. OBSERVATION: AS OF April 12, 2021, A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) ABOVEGROUND PETROLEUM STORAGE ACT (APSA) TANK FACILITY STATEMENT OR BUSINESS PLAN HAS NOT BEEN RECEIVED/ACCEPTED BY CCHSHMP. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (<https://cers.calepa.ca.gov/>) AND SUBMIT EITHER A COMPLETE/CORRECT APSA TANK FACILITY STATEMENT OR A COMPLETE/CORRECT HAZARDOUS MATERIALS BUSINESS PLAN.

Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 03-27-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/30/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-24-2020
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

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approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.

Violation Notes: Returned to compliance on 02/27/2020. OBSERVATION: Owner/Operator did not maintain a list of employees trained by the DO, or for training that occurs on or after 10/1/18, failure to maintain a copy of the "Facility Employee Training Certificate". Training Certificate not available for review during inspection. CORRECTIVE ACTION: Maintain list of employees trained by the DO and copies of "Facility Employee Training Certificate" for training that occurs on or after 10/1/18.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-29-2013
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/29/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 02-23-2018
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.
Violation Notes: Returned to compliance on 03/30/2018. OBSERVATION: Failure to perform and/or document the five-year review of the SPCC plan. CORRECTIVE ACTION: Complete and document the 5 year review of SPCC Plan and submit verification of proper completion. Send SPCC to CCHS.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 04-01-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/25/2019. OBSERVATION: AS OF APRIL 1, 2019, CCHSHMP HAS NOT RECEIVED/ACCEPTED A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) SUBMITTAL FOR THE FOLLOWING SUBMITTAL ELEMENT(S): Emergency Response/Training Plans.CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (<https://cers.calepa.ca.gov/>) AND SUBMIT COMPLETE/CORRECT Emergency Response/Training Plans.

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

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Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 09-07-2021
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 07/12/2022. OBSERVATION: Facility has failed to do one of the following: 1) Certify Monitoring system every 12 months for operability, proper operating condition, and proper calibration. 2) Owners or operators shall submit a completed Monitoring System Certification Form to the local agency within 30 days of the completion of the inspection. 3) The owner or operator shall notify the local agency at least 48 hours prior to conducting the installation, repair, replacement, calibration, or certification of monitoring equipment. CORRECTIVE ACTION: Notify CCHSHMP of the Monitoring System Certification testing date with 48 hours notice and/or Submit a completed Monitoring System Certification Form to CCHSHMP within 30 days of the testing date.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 02-23-2018
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to include in the SPCC plan an adequate description of employee training. Training shall address, at a minimum: operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws, rules, and regulations; general facility operations; content of the facility SPCC plan; and annual discharge prevention briefings for oil-handling personnel to assure adequate understanding of the SPCC plan.
Violation Notes: Returned to compliance on 03/30/2018. OBSERVATION: Failure to provide training to all oil-handling personnel regarding one or more of the following: 1. The operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. AND 5. The contents of the SPCC Plan. CORRECTIVE ACTION: Provide training in: 1. The operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. AND 5. The contents of the SPCC Plan.

Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Violation Date: 03-02-2022
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 07/12/2022. OBSERVATION: Owner/Operator failed to meet one or more of the following spill container requirements: install or maintain spill container which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill container, and is resistant to galvanic corrosion; did not perform tightness test at installation, every 12 months thereafter, or within 30 days after a repair; did not have tested using manufacturer's guidelines, industry codes, engineering standards, or method approved by PE, or was not tested by a certified UST service technician; or failed to maintain testing records for 36 months. Diesel spill container observed to fail liquid tightness test. CORRECTIVE ACTION: Install or repair spill buckets to meet all of the listed requirements, have tightness tested using approved method, by certified UST service technician, and submit documentation to verify compliance. Maintain all testing records [Truncated]
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 03-09-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 05/25/2021. OBSERVATION: The business needs to update er plan with current cupa telephone number. CORRECTIVE ACTION: The CUPA phone number is 925-655-3200 for the main line or 925-655-3232 for emergencies. update telephone numbers in plan (and where ever they may be posted) upload er plan to cers.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-25-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/27/2017.

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

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Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-29-2013
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections

Violation Description: UST Program - Training - General
Violation Notes: Returned to compliance on 08/28/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-24-2020
Citation: 23 CCR 16 2712(b)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(2)
Violation Description: Failure to maintain monitoring records for release detection and/or maintain records of appropriate follow-up actions.
Violation Notes: Returned to compliance on 02/27/2020. OBSERVATION: Owner/Operator failed to maintain monitoring records for release detection (e.g., alarm logs) and/or maintain records of appropriate follow-up actions. CORRECTIVE ACTION: Maintain monitoring records for release detection (e.g., alarm logs) and/or maintain records of appropriate follow-up actions.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 02-02-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/19/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 02-23-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violation Notes: Returned to compliance on 03/23/2018. OBSERVATION: The business failed to provide annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan or failure to document and maintain training records for a minimum of three years.

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

CORRECTIVE ACTION: Conduct annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years. Send training documentation to CCHS; attn: Melissa J Hagen.

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 01-26-2018
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665

Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.

Violation Notes: Returned to compliance on 02/23/2018. OBSERVATION: Owner/Operator did not install or maintain spill bucket which is liquid-tight, Diesel Spill bucket failed test CORRECTIVE ACTION: Install or repair spill bucket so that it is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and is resistant to galvanic corrosion. Submit verification.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Violation Date: 02-02-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/18/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-09-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-09-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-18-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-27-2023
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-27-2023
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-28-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-12-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-24-2020
Violations Found: Yes

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

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Eval Type:		Routine done by local agency
Eval Notes:	Not reported	
Eval Division:		Contra Costa County Health Services Department
Eval Program:		UST
Eval Source:		CERS,
Eval General Type:		Compliance Evaluation Inspection
Eval Date:		01-25-2017
Violations Found:		Yes
Eval Type:		Routine done by local agency
Eval Notes:	Not reported	
Eval Division:		Contra Costa County Health Services Department
Eval Program:		HW
Eval Source:		CERS,
Eval General Type:		Compliance Evaluation Inspection
Eval Date:		01-28-2019
Violations Found:		No
Eval Type:		Routine done by local agency
Eval Notes:	Not reported	
Eval Division:		Contra Costa County Health Services Department
Eval Program:		UST
Eval Source:		CERS,
Eval General Type:		Compliance Evaluation Inspection
Eval Date:		01-29-2013
Violations Found:		No
Eval Type:		Routine done by local agency
Eval Notes:	Not reported	
Eval Division:		Contra Costa County Health Services Department
Eval Program:		HW
Eval Source:		CERS,
Eval General Type:		Compliance Evaluation Inspection
Eval Date:		02-02-2015
Violations Found:		No
Eval Type:		Routine done by local agency
Eval Notes:	Not reported	
Eval Division:		Contra Costa County Health Services Department
Eval Program:		UST
Eval Source:		CERS,
Eval General Type:		Other/Unknown
Eval Date:		02-27-2020
Violations Found:		No
Eval Type:		Other, not routine, done by local agency
Eval Notes:	Not reported	
Eval Division:		Contra Costa County Health Services Department
Eval Program:		UST
Eval Source:		CERS,
Eval General Type:		Compliance Evaluation Inspection
Eval Date:		03-07-2023
Violations Found:		No
Eval Type:		Routine done by local agency
Eval Notes:	Not reported	
Eval Division:		Contra Costa County Health Services Department

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DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-10-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-14-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-27-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-27-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-30-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-25-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-12-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-07-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-13-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2018
Violations Found: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-02-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-02-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-23-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-23-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-19-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-27-2018
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Eval General Type: Other/Unknown
Eval Date: 03-30-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-10-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2023
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-30-2018
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-13-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-21-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Enforcement Action:
Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 01-26-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 02-02-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 03-02-2022
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 01-25-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 03-27-2023
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 01-24-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 03-26-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 03-09-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 02-02-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 03-27-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 02-23-2018
Enf Action Type: Notice of Violation (Unified Program)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-01-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 01-25-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 02-23-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-12-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 01-12-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 09-07-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 05-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 03-27-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Enf Action Date: 01-29-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 04-12-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 24639
Site Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Site Address: 2500 PITTSBURG ANTIOCH HWY
Site City: ANTIOCH
Site Zip: 94509
Enf Action Date: 09-10-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Affiliation:

Affiliation Type Desc: Parent Corporation
Entity Name: Delta Diablo - Treatment Plant
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Environmental Contact
Entity Name: AMANDA ROA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Entity Title: Not reported
Affiliation Address: 2500 Pittsburg-Antioch Highway
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94509-1373
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2500 Pittsburg-Antioch Highway
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94509-1373
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: DELTA DIABLO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 382-6960,

Affiliation Type Desc: Identification Signer
Entity Name: Amanda Roa
Entity Title: Environmental Programs Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: DELTA DIABLO
Entity Title: Not reported
Affiliation Address: 2500 Pittsburg-Antioch Highway
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94509-1373
Affiliation Phone: (925) 756-1900,

Affiliation Type Desc: Document Preparer
Entity Name: Amanda Roa
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

S121754409

Affiliation Type Desc: Legal Owner
Entity Name: DELTA DIABLO
Entity Title: Not reported
Affiliation Address: 2500 Pittsburg-Antioch Highway
Affiliation City: Antioch
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94509
Affiliation Phone: (925) 756-1900,

NON-CASE INFO:

Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Address: 2500 PITTSBURG ANTIOCH HWY
City,State,Zip: ANTIOCH, CA 94509
Global ID: UST100018789
Case Type: Non-Case Information
Status: USTs Permanently Closed - Report Pending
Status Date: 12/31/2025
Lead Agency: Not reported
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
Loc Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Gasoline, Diesel
Potential Media Affected: Not reported
Site History: Not reported
Begin Date: 07/12/2022
How Discovered: Tank Closure
How Discovered Description: Not reported
Stop Method: Not reported
Stop Description: Not reported
Latitude: 38.0162200175411
Longitude: -121.840354972394
Geotracker: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=UST100018789
EPA Region: 9
Coordinate Source: Google Map Move
Cuf Case: NO
Quantity Released Gallons: Not reported
Leak Reported Date: Not reported
Discharge Source: Piping
Discharge Cause: Unknown
No Further Action Date: Not reported
CA Water Watershed Name: San Joaquin Delta (544.00)
Dwr Groundwater Subbasin Name: San Joaquin Valley - East Contra Costa (5-022.19)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 81-85%
CA Enviroscreen 4 Score: 90-95%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: CENTRAL VALLEY RWQCB (REGION 5S)

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

C10
SSE
1/8-1/4
0.195 mi.
1029 ft.

DELTA DIABLO
2500 PITTSBURG ANTIOCH HWY
ANTIOCH, CA 94509

RCRA NonGen / NLR

1024864564
CAL000433126

Site 5 of 7 in cluster C

Relative:
Lower
Actual:
12 ft.

RCRA Listings:	
Date Form Received by Agency:	20180108
Handler Name:	Delta Diablo
Handler Address:	2500 PITTSBURG ANTIOCH HWY
Handler City,State,Zip:	ANTIOCH, CA 94509-1373
EPA ID:	CAL000433126
Contact Name:	COLIN BRENNAN
Contact Address:	2403 HEATHERLEAF LN
Contact City,State,Zip:	MARTINEZ, CA 94553
Contact Telephone:	925-330-7723
Contact Fax:	628-208-6972
Contact Email:	COLIN.BRENNAN@ICF.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2403 HEATHERLEAF LN
Mailing City,State,Zip:	MARTINEZ, CA 94553
Owner Name:	Icf International
Owner Type:	Other
Operator Name:	Colin Brennan
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DELTA DIABLO (Continued)

1024864564

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ICF INTERNATIONAL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	201 MISSION ST, STE 1500
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94105
Owner/Operator Telephone:	415-677-7100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: COLIN BRENNAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2403 HEATHERLEAF LN
Owner/Operator City,State,Zip:	MARTINEZ, CA 94553
Owner/Operator Telephone:	925-330-7723
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180108
Handler Name: DELTA DIABLO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DELTA DIABLO (Continued)

1024864564

List of NAICS Codes and Descriptions:

NAICS Code: 56299
 NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

C11
SSE
 1/8-1/4
 0.195 mi.
 1029 ft.

CONTRA COSTA CO SAN DIST 7A
2500 PITTSBURG ANTIOCH HWY
ANTIOCH, CA 94509
Site 6 of 7 in cluster C

RCRA NonGen / NLR

1000418256
CAD000626408

Relative:
Lower
Actual:
12 ft.

RCRA Listings:
 Date Form Received by Agency: 20010918
 Handler Name: Contra Costa Co San Dist 7a
 Handler Address: 2500 PITTSBURG ANTIOCH HWY
 Handler City,State,Zip: ANTIOCH, CA 94509
 EPA ID: CAD000626408
 Contact Name: DULCE PETAGARA
 Contact Address: 2500 PITTSBURG ANTIOCH HWY
 Contact City,State,Zip: ANTIOCH, CA 94509-1373
 Contact Telephone: 925-778-4040
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 09
 Land Type: Other
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Not reported
 State District Owner: Not reported
 State District: Not reported
 Mailing Address: 595 BLACK DIAMOND ST
 Mailing City,State,Zip: PITTSBURG, CA 94565
 Owner Name: Not Required
 Owner Type: Private
 Operator Name: Not reported
 Operator Type: Not reported
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CONTRA COSTA CO SAN DIST 7A (Continued)

1000418256

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:	
Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONTRA COSTA CO SAN DIST 7A (Continued)

1000418256

Historic Generators:

Receive Date: 19960901
Handler Name: CONTRA COSTA CO SAN DIST 7A
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010918
Handler Name: CONTRA COSTA CO SAN DIST 7A
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

C12
SSE
1/8-1/4
0.195 mi.
1029 ft.

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
2500 PITTSBURG ANTIOCH HWY
ANTIOCH, CA 94509
Site 7 of 7 in cluster C

UST U004261528
N/A

Relative:
Lower

UST:

Actual:
12 ft.

Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Address: 2500 PITTSBURG ANTIOCH HWY
City,State,Zip: ANTIOCH, CA 94509
Facility ID: 07-000-770179
Permitting Agency: Contra Costa County Health Services Department
CERSID: 10008715
Latitude: 38.0126300
Longitude: -121.841951
Owner type: Local Agency/District
Facility type: Motor Vehicle Fueling
Num of inuse ust: Not reported
Num of closed ust: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

U004261528

Num of oos ust: 0
Epa region: 9
Tribal lands: No
Tank owner name: Delta Diablo
Tank owner mailing address: 2500 Pittsburg-Antioch Hwy
Tank owner mailing city: Antioch
Tank owner mailing zip: 94509-1373
Tank owner mailing state: CA
Tank operator name: Delta Diablo
Tank operator mailing address: 2500 Pittsburg-Antioch Hwy.
Tank operator mailing city: Antioch
Tank operator mailing zip: 94509
Tank operator mailing state: CA
Tankidnumber: TFK-7101
Tank status: UST Removal
Tank configuration: Stand Alone Tank
Tank closure date: 7/12/2022 12:00:00 AM
Tank installation date: 7/22/1986 12:00:00 AM
Tank num of compartments: 1
Tank contents: Midgraded Unleaded
Tank capacity gallons: 4000
Tank type: Double Wall
Tank pc construction: Steel
Tank pwpiping construction: None
Tank piping type: 23 CCR S2636(a)(3) Suction
Tank piping construction: Single Walled
Tank sacrificial anode: Yes
Tank cp impressed current: No
Tank cp shutoff: Yes
Tank alarms: No
Tank ball float: No
Tank spill bucket: Yes

Name: DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT
Address: 2500 PITTSBURG ANTIOCH HWY
City,State,Zip: ANTIOCH, CA 94509
Facility ID: 07-000-770179
Permitting Agency: Contra Costa County Health Services Department
CERSID: 10008715
Latitude: 38.0126300
Longitude: -121.841951
Owner type: Local Agency/District
Facility type: Motor Vehicle Fueling
Num of inuse ust: Not reported
Num of closed ust: 2
Num of oos ust: 0
Epa region: 9
Tribal lands: No
Tank owner name: Delta Diablo
Tank owner mailing address: 2500 Pittsburg-Antioch Hwy
Tank owner mailing city: Antioch
Tank owner mailing zip: 94509-1373
Tank owner mailing state: CA
Tank operator name: Delta Diablo
Tank operator mailing address: 2500 Pittsburg-Antioch Hwy.
Tank operator mailing city: Antioch
Tank operator mailing zip: 94509

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DELTA DIABLO SANITATION DISTRICT- TREATMENT PLANT (Continued)

U004261528

Tank operator mailing state: CA
Tankidnumber: TFK-7102
Tank status: UST Removal
Tank configuration: Stand Alone Tank
Tank closure date: 7/12/2022 12:00:00 AM
Tank installation date: 7/22/1986 12:00:00 AM
Tank num of compartments: 1
Tank contents: Diesel
Tank capacity gallons: 1000
Tank type: Double Wall
Tank pc construction: Steel
Tank pwpiping construction: None
Tank piping type: 23 CCR S2636(a)(3) Suction
Tank piping construction: Single Walled
Tank sacrificial anode: Yes
Tank cp impressed current: No
Tank cp shutoff: Yes
Tank alarms: No
Tank ball float: No
Tank spill bucket: Yes

13
SSE
1/8-1/4
0.229 mi.
1208 ft.

SALT RIVER CONSTRUCTION
1 ARCY LN
ANTIOCH, CA 94509

CONTRA COSTA CO. SITE LIST **S109167781**
N/A

Relative:
Higher
Actual:
23 ft.

CONTRA COSTA CO. SITE LIST:
Name: SALT RIVER CONSTRUCTION
Address: 1 ARCY LN
City: ANTIOCH
Facility ID: FA0030544
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 773875
CERS ID: 10019350

Name: SALT RIVER CONSTRUCTION
Address: 1 ARCY LN
City: ANTIOCH
Facility ID: FA0030544
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 773875
CERS ID: 10019350

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

14
NW
1/4-1/2
0.371 mi.
1957 ft.

DOW CHEMICAL U.S.A.
LOVERIDGE RD.
PITTSBURG, CA 94565

ENVIROSTOR **S116165393**
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
16 ft.

Name: DOW CHEMICAL U.S.A.
 Address: LOVERIDGE RD.
 City,State,Zip: PITTSBURG, CA 94565
 Facility ID: 7280120
 Status: Refer: RCRA
 Status Date: 01/27/1981
 Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Assembly: 15
 Senate: 9
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 38.02583
 Longitude: -121.8513
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: * HYDROCARBON SOLVENTS * ORGANIC LIQUIDS WITH METALS * Pesticides -
 Wastes From Production * UNSPECIFIED SOLVENT MIXTURES
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: Not reported
 Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported
 Completed Sub Area Name: Not reported
 Completed Document Type: Not reported
 Completed Date: Not reported
 Comments: Not reported

 Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

15
WNW
1/2-1
0.523 mi.
2762 ft.

**HYDROCHEM INDUSTRIAL SERVICES INC
LOVERIDGE RD
PITTSBURG, CA 94565**

**ENVIROSTOR 1008152483
N/A**

**Relative:
Higher
Actual:
18 ft.**

ENVIROSTOR:
Name: HYDROCHEM INDUSTRIAL SERVICES INC
Address: LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 945650000
Facility ID: 80001822
Status: Inactive - Needs Evaluation
Status Date: 06/22/2009
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Daniel Murphy
Division Branch: Cleanup Berkeley
Assembly: 15
Senate: 9
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.02314
Longitude: -121.8553
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAT080010580
Alias Type: EPA Identification Number
Alias Name: 110018954103
Alias Type: EPA (FRS #)
Alias Name: 80001822
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/18/1990
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

D16
NW
1/2-1
0.542 mi.
2864 ft.

Relative:
Higher

Actual:
22 ft.

THE DOW CHEMICAL COMPANY
901 LOVERIDGE RD.
PITTSBURG, CA 94565

Site 1 of 9 in cluster D

SWF/LF 1000106863
HIST UST N/A
US FIN ASSUR
RAATS
ICIS
FTTS
US AIRS
HWP

CONTRA COSTA CO. SITE LIST

SWF/LF (SWIS):

Name:	DOW CHEMICAL SITE
Address:	901 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
Region:	STATE
Facility ID:	07-CR-0012
SWIS Number:	07-CR-0012
Point of Contact:	Harprit Mattu
Is Archived:	Yes
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	Bay Area
SWRCB Region:	San Francisco Bay
Local Government:	Pittsburg
Reporting Agency Legal Name:	City of Pittsburg
Reporting Agency Department:	Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Enforcing Agency Legal Name:	City of Pittsburg
Enforcing Agency Department:	Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Regulation Status:	Unpermitted

HIST UST:

Name:	DOW CHEMICAL COMPANY WESTERN D
Address:	END OF LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
File Number:	00022a64
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00022a64.pdf
Region:	STATE
Facility ID:	00000029798
Facility Type:	Other
Other Type:	MANUFACTURING
Contact Name:	W. E. ANDERSON
Telephone:	4154325148
Owner Name:	DOW CHEMICAL U.S.A.
Owner Address:	ABBOTT ROAD CENTER
Owner City,St,Zip:	MIDLAND, MI 48640
Total Tanks:	0159
Tank Num:	001
Container Num:	110-1
Year Installed:	1981
Tank Capacity:	00150000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 310-1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 003
Container Num: 310-2
Year Installed: Not reported
Tank Capacity: 00160000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 310-3
Year Installed: Not reported
Tank Capacity: 00020000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 005
Container Num: 210-2
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: 110-2
Year Installed: Not reported
Tank Capacity: 00290000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 007
Container Num: 120-1
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Num: 008
Container Num: 210-3
Year Installed: Not reported
Tank Capacity: 00075000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 009
Container Num: 120-2
Year Installed: Not reported
Tank Capacity: 00007000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 010
Container Num: 210-4
Year Installed: Not reported
Tank Capacity: 00000900
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 011
Container Num: 400-3
Year Installed: Not reported
Tank Capacity: 00020000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 012
Container Num: 590-1
Year Installed: Not reported
Tank Capacity: 00001500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 013
Container Num: 120-3
Year Installed: Not reported
Tank Capacity: 00007000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 014
Container Num: 140-1
Year Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Capacity: 00750000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 015
Container Num: 140-2
Year Installed: Not reported
Tank Capacity: 00750000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 016
Container Num: 140-3
Year Installed: Not reported
Tank Capacity: 01000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 017
Container Num: 140-4
Year Installed: Not reported
Tank Capacity: 01000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 018
Container Num: 140-5
Year Installed: Not reported
Tank Capacity: 00003500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 019
Container Num: 140-6
Year Installed: Not reported
Tank Capacity: 00000250
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 020
Container Num: 140-7
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 021
Container Num: 140-8
Year Installed: Not reported
Tank Capacity: 00075000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 022
Container Num: 140-9
Year Installed: Not reported
Tank Capacity: 00000150
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 023
Container Num: 100-1
Year Installed: 1975
Tank Capacity: 00052000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 30
Leak Detection: Visual

Tank Num: 024
Container Num: 100-2
Year Installed: 1975
Tank Capacity: 00140000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: Visual

Tank Num: 025
Container Num: 100-3
Year Installed: 1975
Tank Capacity: 00052000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 24
Leak Detection: Visual

Tank Num: 026
Container Num: 100-4
Year Installed: 1975
Tank Capacity: 00140000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: Visual

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Num: 027
Container Num: 100-5
Year Installed: 1978
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: Visual

Tank Num: 028
Container Num: 220-1
Year Installed: 1950
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 029
Container Num: 220-2
Year Installed: 1950
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 030
Container Num: 600-1
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 031
Container Num: 320-1
Year Installed: Not reported
Tank Capacity: 00000600
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 032
Container Num: 210-1
Year Installed: 1954
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: Visual

Tank Num: 033
Container Num: 480-1
Year Installed: 1974

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Capacity: 00000400
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 034
Container Num: 480-2
Year Installed: Not reported
Tank Capacity: 00000100
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 035
Container Num: 480-3
Year Installed: 1976
Tank Capacity: 00000100
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 036
Container Num: 220-3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 037
Container Num: 240-1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: Visual

Tank Num: 038
Container Num: 300-1
Year Installed: 1974
Tank Capacity: 00006300
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 039
Container Num: 300-3
Year Installed: 1974
Tank Capacity: 00006300
Tank Used for: WASTE
Type of Fuel: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 040
Container Num: 300-4
Year Installed: 1974
Tank Capacity: 00006300
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 041
Container Num: 300-5
Year Installed: Not reported
Tank Capacity: 00000250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 042
Container Num: 300-6
Year Installed: Not reported
Tank Capacity: 00000750
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 043
Container Num: 300-7
Year Installed: 1983
Tank Capacity: 00000010
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 044
Container Num: 400-2
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 045
Container Num: 400-1
Year Installed: Not reported
Tank Capacity: 00000150
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Num: 046
Container Num: 460-1
Year Installed: 1965
Tank Capacity: 00000017
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 047
Container Num: 460-2
Year Installed: Not reported
Tank Capacity: 00000017
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 048
Container Num: 460-3
Year Installed: 1965
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 049
Container Num: 460-4
Year Installed: 1965
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 050
Container Num: 460-5
Year Installed: 1983
Tank Capacity: 00000010
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 051
Container Num: 460-6
Year Installed: 1976
Tank Capacity: 00000017
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 052
Container Num: 460-7
Year Installed: 1954

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 053
Container Num: 460-8
Year Installed: Not reported
Tank Capacity: 00000017
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 054
Container Num: 460-9
Year Installed: 1983
Tank Capacity: 00000017
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 055
Container Num: 460-10
Year Installed: 1961
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 056
Container Num: 460-11
Year Installed: 1961
Tank Capacity: 00000002
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3/8
Leak Detection: Visual

Tank Num: 057
Container Num: 460-13
Year Installed: Not reported
Tank Capacity: 00000524
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 058
Container Num: 460-14
Year Installed: 1979
Tank Capacity: 00001521
Tank Used for: WASTE
Type of Fuel: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 059
Container Num: 460-15
Year Installed: 1975
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 060
Container Num: 460-16
Year Installed: 1975
Tank Capacity: 00004500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 061
Container Num: 460-17
Year Installed: 1983
Tank Capacity: 00000008
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 062
Container Num: 500-1
Year Installed: Not reported
Tank Capacity: 00003500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: Visual

Tank Num: 063
Container Num: 500-2
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: Visual

Tank Num: 064
Container Num: 500-3
Year Installed: Not reported
Tank Capacity: 00000060
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Num: 065
Container Num: 500-4
Year Installed: Not reported
Tank Capacity: 00000200
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 066
Container Num: 500-6
Year Installed: Not reported
Tank Capacity: 00000060
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 067
Container Num: 600-2
Year Installed: Not reported
Tank Capacity: 00000075
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 068
Container Num: 600-3
Year Installed: Not reported
Tank Capacity: 00000010
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3
Leak Detection: Visual

Tank Num: 069
Container Num: 600-4
Year Installed: Not reported
Tank Capacity: 00000010
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3
Leak Detection: Visual

Tank Num: 070
Container Num: 600-5
Year Installed: Not reported
Tank Capacity: 00350000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 36
Leak Detection: Visual

Tank Num: 071
Container Num: 600-6
Year Installed: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Capacity: 00350000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 36
Leak Detection: Visual

Tank Num: 072
Container Num: 2700-2
Year Installed: 1980
Tank Capacity: 08000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 24
Leak Detection: Groundwater Monitoring Well

Tank Num: 073
Container Num: 2700-1
Year Installed: 1980
Tank Capacity: 06000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 24
Leak Detection: Groundwater Monitoring Well

Tank Num: 074
Container Num: 200-1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Groundwater Monitoring Well

Tank Num: 075
Container Num: 500-7
Year Installed: 1970
Tank Capacity: 03000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Groundwater Monitoring Well

Tank Num: 076
Container Num: 600-7
Year Installed: 1980
Tank Capacity: 00000250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 077
Container Num: 600-8
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Container Construction Thickness: 10
Leak Detection: Visual

Tank Num: 078
Container Num: 700-1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: Visual

Tank Num: 079
Container Num: 700-2
Year Installed: Not reported
Tank Capacity: 01000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 240
Leak Detection: Visual

Tank Num: 080
Container Num: 700-3
Year Installed: Not reported
Tank Capacity: 00002500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 081
Container Num: 700-4
Year Installed: Not reported
Tank Capacity: 00002500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 082
Container Num: 700-6
Year Installed: Not reported
Tank Capacity: 00000010
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3
Leak Detection: Visual

Tank Num: 083
Container Num: 700-7
Year Installed: Not reported
Tank Capacity: 00000010
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3
Leak Detection: Visual

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Num: 084
Container Num: 500-5
Year Installed: Not reported
Tank Capacity: 00000200
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 085
Container Num: 520-1
Year Installed: 1973
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 086
Container Num: 520-2
Year Installed: 1973
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 087
Container Num: 520-3
Year Installed: 1973
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 088
Container Num: 520-4
Year Installed: 1973
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 089
Container Num: 520-5
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 090
Container Num: 600-9
Year Installed: 1973

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 091
Container Num: 580-1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 092
Container Num: 520-6
Year Installed: 1979
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 093
Container Num: 520-7
Year Installed: 1980
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 094
Container Num: 520-8
Year Installed: 1980
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 095
Container Num: 540-5
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 096
Container Num: 540-6
Year Installed: 1983
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 097
Container Num: 540-7
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 098
Container Num: 540-8
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 099
Container Num: 540-9
Year Installed: Not reported
Tank Capacity: 00170000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 12
Leak Detection: Visual

Tank Num: 100
Container Num: 540-10
Year Installed: Not reported
Tank Capacity: 00170000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 101
Container Num: 540-11
Year Installed: Not reported
Tank Capacity: 00377000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 102
Container Num: 540-13
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Num: 103
Container Num: 540-14
Year Installed: Not reported
Tank Capacity: 00100000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 104
Container Num: 540-15
Year Installed: Not reported
Tank Capacity: 00015000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 105
Container Num: 540-16
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 106
Container Num: 540-19
Year Installed: 1981
Tank Capacity: 00003700
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 107
Container Num: 560-1
Year Installed: 1976
Tank Capacity: 00000017
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 108
Container Num: 560-2
Year Installed: 1980
Tank Capacity: 00000017
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 109
Container Num: 560-3
Year Installed: 1982

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Capacity: 00000017
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 110
Container Num: 560-4
Year Installed: 1983
Tank Capacity: 00000017
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 111
Container Num: 560-5
Year Installed: 1980
Tank Capacity: 00000040
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 112
Container Num: 560-6
Year Installed: 1976
Tank Capacity: 00000040
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 113
Container Num: 560-7
Year Installed: 1980
Tank Capacity: 00000060
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 114
Container Num: 560-8
Year Installed: 1980
Tank Capacity: 00000060
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 115
Container Num: 560-9
Year Installed: 1984
Tank Capacity: 00000013
Tank Used for: WASTE
Type of Fuel: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 116
Container Num: 560-10
Year Installed: 1976
Tank Capacity: 00004100
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 117
Container Num: 560-11
Year Installed: 1976
Tank Capacity: 00007290
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 118
Container Num: 560-12
Year Installed: 1976
Tank Capacity: 00000300
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 119
Container Num: 560-13
Year Installed: 1978
Tank Capacity: 00001833
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 120
Container Num: 560-14
Year Installed: 1984
Tank Capacity: 00000013
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 121
Container Num: 560-15
Year Installed: 1983
Tank Capacity: 00000030
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Num:	122
Container Num:	620-1
Year Installed:	1976
Tank Capacity:	00013000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	123
Container Num:	360-1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	None
Tank Num:	124
Container Num:	440-1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	125
Container Num:	640-1
Year Installed:	1975
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Visual
Tank Num:	126
Container Num:	540-18
Year Installed:	1974
Tank Capacity:	00030000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	7/8
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	127
Container Num:	320-2
Year Installed:	1925
Tank Capacity:	00200000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	Visual
Tank Num:	128
Container Num:	590-2
Year Installed:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Capacity: 00000200
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 129
Container Num: 590-3
Year Installed: Not reported
Tank Capacity: 00000100
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3
Leak Detection: Visual

Tank Num: 130
Container Num: 660-2
Year Installed: 1976
Tank Capacity: 00001870
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 131
Container Num: 660-3
Year Installed: 1978
Tank Capacity: 00001878
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: Visual

Tank Num: 132
Container Num: 660-4
Year Installed: 1982
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 1/
Leak Detection: Visual

Tank Num: 133
Container Num: 660-5
Year Installed: 1978
Tank Capacity: 00000068
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 134
Container Num: 660-6
Year Installed: 1978
Tank Capacity: 00000068
Tank Used for: WASTE
Type of Fuel: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Container Construction Thickness: 4
Leak Detection: Visual

Tank Num: 135
Container Num: 660-7
Year Installed: 1980
Tank Capacity: 00000020
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: Visual

Tank Num: 136
Container Num: 660-8
Year Installed: 1978
Tank Capacity: 00000013
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 137
Container Num: 660-9
Year Installed: 1978
Tank Capacity: 00001250
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 138
Container Num: 660-11
Year Installed: 1978
Tank Capacity: 00000010
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 139
Container Num: 660-12
Year Installed: 1976
Tank Capacity: 00800000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 140
Container Num: 660-13
Year Installed: Not reported
Tank Capacity: 00000150
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Num: 141
Container Num: 660-14
Year Installed: Not reported
Tank Capacity: 00000600
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 142
Container Num: 660-15
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: Visual

Tank Num: 143
Container Num: 660-16
Year Installed: 1980
Tank Capacity: 00000415
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 5
Leak Detection: Visual

Tank Num: 144
Container Num: 660-17
Year Installed: 1980
Tank Capacity: 00000415
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 5
Leak Detection: Visual

Tank Num: 145
Container Num: 660-18
Year Installed: 1980
Tank Capacity: 00000050
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 146
Container Num: 660-19
Year Installed: Not reported
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 8
Leak Detection: Visual

Tank Num: 147
Container Num: 660-20
Year Installed: 1980

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Tank Capacity:	00000415
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5
Leak Detection:	Visual
Tank Num:	148
Container Num:	660-21
Year Installed:	Not reported
Tank Capacity:	00000042
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	2
Leak Detection:	Visual
Tank Num:	149
Container Num:	780-1
Year Installed:	1974
Tank Capacity:	06000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0.045
Leak Detection:	Groundwater Monitoring Well
Tank Num:	150
Container Num:	780-2
Year Installed:	1968
Tank Capacity:	04000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	24
Leak Detection:	Groundwater Monitoring Well
Tank Num:	151
Container Num:	780-3
Year Installed:	1968
Tank Capacity:	04000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	24
Leak Detection:	Groundwater Monitoring Well
Tank Num:	152
Container Num:	780-4
Year Installed:	1968
Tank Capacity:	04000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	24
Leak Detection:	Groundwater Monitoring Well
Tank Num:	153
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	Not reported
Type of Fuel:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 154
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 155
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 156
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 157
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 158
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 159
Container Num: 480-4
Year Installed: 1977
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

[Click here for Geo Tracker PDF:](#)

US FIN ASSUR:

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 3187537
Face value: 85391100
Effective date: 2018-03-22 00:00:00
Provider: DOW CHEMICAL COMPANY
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 5154529
Face value: 5154529
Effective date: 2016-03-23 00:00:00
Provider: DOW CHEMICAL COMPANY
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 5154529
Face value: 85391100
Effective date: 2018-03-22 00:00:00
Provider: DOW CHEMICAL COMPANY
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 2000000
Face value: 85391100
Effective date: 2018-03-22 00:00:00
Provider: DOW CHEMICAL COMPANY
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 6000000
Face value: 85391100
Effective date: 2018-03-22 00:00:00
Provider: DOW CHEMICAL COMPANY
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 64064673
Face value: 85391100
Effective date: 2018-03-22 00:00:00
Provider: DOW CHEMICAL COMPANY
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 3187537
Face value: 3356400
Effective date: 2018-03-22 00:00:00
Provider: DOW CHEMICAL COMPANY
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 6000000
Face value: 15848433
Effective date: 2009-03-25 00:00:00
Provider: DOW CHEMICAL CO.
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Cost estimate: 2686680
Face value: 15848433
Effective date: 2009-03-25 00:00:00
Provider: DOW CHEMICAL CO.
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 4842504
Face value: 5098446
Effective date: 2011-03-23 00:00:00
Provider: DOW CHEMICAL CO.
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 2839236
Face value: 2988421
Effective date: 2011-03-23 00:00:00
Provider: DOW CHEMICAL CO.
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 1782529
Face value: 15848433
Effective date: 2009-03-25 00:00:00
Provider: DOW CHEMICAL CO.
EPA region: 9

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD076528678
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 2000000
Face value: 15848433
Effective date: 2009-03-25 00:00:00
Provider: DOW CHEMICAL CO.
EPA region: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

RAATS:

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: 09-84-0021
Region: 09
Issue Date: 05/21/1984
Final Date: 04/26/1984
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 535
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 1 270.10(E)(5)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: 25,000.00
Final Penalty: 20,000.00
Total Prop. Penalty: 25,000.00
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: 09-84-0021
Region: 09
Issue Date: 05/21/1984
Final Date: 04/26/1984
Status: Consent Agreement/Final Order
Additional: Not reported
Action ID: 535
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 2 270.14(C)(1)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: 20,000.00
Total Prop. Penalty: 25,000.00
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: RCRA-09-89-0007
Region: 09
Issue Date: Not reported
Final Date: 03/24/1989
Status: Unilateral Order (Corrective Action)
Additional: Not reported
Action ID: 454
Action: 3008 (H)
Violation No: Not reported
Viol No Cited: 0
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: .00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Final Penalty: .00
Total Prop. Penalty: .00
Comments: 3008(H) ORDER (UNILATERAL)

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

Entry No: 1
Facility ID: CAD076528678
Type: Not reported
Docket No: Not reported
Region: Not reported
Issue Date: Not reported
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: Not reported
Action: Not reported
Violation No: Not reported
Viol No Cited: Not reported
Total No Cited: Not reported
Reg Type: Not reported
Prop. Penalty: Not reported
Final Penalty: Not reported
Total Prop. Penalty: Not reported
Comments: Not reported

ICIS:

Enforcement Action ID: CABAAA000006013A003100096
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100096
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565
Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA000006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Enforcement Action ID: CABAAA000006013A003100095
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100095
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100094
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100094
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100077
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100077
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100076
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100076
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA000006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100074
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100074
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA000006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100071
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100071
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100070
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100070
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100068
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100068
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100067
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100067
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100065
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100065
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100064
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100064
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100014
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100014
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100013
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100013
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100012
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100012
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100011
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100011
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

PITTSBURG, CA 94565
Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100010
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100010
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A003100009
FRS ID: 110000602544
Action Name: DOW CHEMICAL COMPANY 06013A003100009
Facility Name: DOW CHEMICAL COMPANY
Facility Address: LOVERIDGE RD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2812
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.03
Longitude in Decimal Degrees: -121.851944
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A0031
Facility NAICS Code: 325320
Tribal Land Code: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

FTTS INSP:

Inspection Number: 1997082510567 1
Region: 09
Inspection Date: 08/25/97
Inspector: GGHOLSON/NEIC
Violation occurred: Yes
Investigation Type: EPCRA, Data Quality, Federal Conducted
Investigation Reason: For Cause, Government
Legislation Code: EPCRA
Facility Function: Manufacturer

US AIRS (AFS):

Region Code: 09
County Code: CA013
Programmatic ID: AIR CABAA00006013A0031
Facility Registry ID: 110000602544
D and B Number: Not reported
Facility Site Name: DOW CHEMICAL COMPANY
Primary SIC Code: 2812
NAICS Code: 325320
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):

Region Code: 09
Programmatic ID: AIR CABAA00006013A0031
Facility Registry ID: 110000602544
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

Air Program: Title V Permits
Activity Date: 2015-07-23 00:00:00
Activity Status Date: 2016-06-28 15:21:49
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-07-16 00:00:00
Activity Status Date: 2016-06-28 15:21:04
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-07-15 00:00:00
Activity Status Date: 2016-06-28 15:20:17
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-07-02 00:00:00
Activity Status Date: 2016-06-28 15:19:39

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-05-19 00:00:00
Activity Status Date: 2016-06-28 15:19:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2015-01-27 00:00:00
Activity Status Date: 2016-06-28 15:18:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2014-11-25 00:00:00
Activity Status Date: 2016-06-28 15:17:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2009-07-27 00:00:00
Activity Status Date: 2009-06-30 16:48:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: New Source Performance Standards
Activity Date: 2009-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2008-11-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-11-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Air Program:	Title V Permits
Activity Date:	2008-03-13 00:00:00
Activity Status Date:	2008-03-13 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Air Program:	Title V Permits
Activity Date:	2007-12-04 00:00:00
Activity Status Date:	2007-12-04 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Air Program:	Title V Permits
Activity Date:	2007-10-03 00:00:00
Activity Status Date:	2007-10-03 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Air Program:	Title V Permits
Activity Date:	2007-09-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Air Program:	Title V Permits
Activity Date:	2007-08-09 00:00:00
Activity Status Date:	2007-08-09 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Air Program:	Title V Permits
Activity Date:	2007-02-23 00:00:00
Activity Status Date:	2007-02-23 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Air Program:	Title V Permits
Activity Date:	2006-12-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Air Program:	Title V Permits
Activity Date:	2006-10-26 00:00:00
Activity Status Date:	2006-10-26 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2006-01-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2005-01-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2004-12-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2003-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2001-08-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 1999-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Air Program: Title V Permits
Activity Date: 1998-03-10 00:00:00
Activity Status Date: 1998-03-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 1998-01-28 00:00:00
Activity Status Date: 1998-01-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 1997-12-08 00:00:00
Activity Status Date: 1997-12-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 1997-09-19 00:00:00
Activity Status Date: 1997-09-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 1996-04-19 00:00:00
Activity Status Date: 1996-04-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 1996-03-06 00:00:00
Activity Status Date: 1996-03-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-07-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Activity Date: 1993-12-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

HWP:

EPA ID: CAT080010580
Name: AQUILEX HYDROCHEM LLC
Address: 901 LOVERIDGE RD
Cleanup Status: PROTECTIVE FILER
Latitude: 38.02314
Longitude: -121.8553
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Supervisor: Not reported
Site Code: Not reported
Senate District: Not reported
Assembly District: Not reported
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: Not reported
Project Manager Lead: Not reported
Project Manager: Not reported
Permit Type: Not reported
Permit Effective Date: Not reported
Permit Expiration Date: Not reported
Calenviroscreen Score: 81-85%
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAT080010580
Facility Type: Historical - Non-Operating
Facility Name: AQUILEX HYDROCHEM LLC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: PROTECTIVE FILER
Activity Type: Protective Filer Status
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: Not reported
Title Description: Protective Filer
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1
Event Description: Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date: 08/22/1995

Alias:

EPA ID: CAT080010580
Facility Type: Historical - Non-Operating
Facility Name: AQUILEX HYDROCHEM LLC

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Facility Status: PROTECTIVE FILER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: FRS
Alias: 110018954103

EPA ID: CAT080010580
Facility Type: Historical - Non-Operating
Facility Name: AQUILEX HYDROCHEM LLC
Facility Status: PROTECTIVE FILER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Alternate Name
Alias: HYDROCHEM INDUSTRIAL SERVICES INC

CONTRA COSTA CO. SITE LIST:

Name: DOUGLAS PRODUCTS LLC
Address: 901 LOVERIDGE RD STE D
City: PITTSBURG
Facility ID: FA0038010
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: RCRA LQG LEGACY PROGRAM
Region: CONTRA COSTA
Cupa Number: 775296
CERS ID: 10672102

Name: DOUGLAS PRODUCTS LLC
Address: 901 LOVERIDGE RD STE D
City: PITTSBURG
Facility ID: FA0038010
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: CALARP RMP
Region: CONTRA COSTA
Cupa Number: 775296
CERS ID: 10672102

Name: DOUGLAS PRODUCTS LLC
Address: 901 LOVERIDGE RD STE D
City: PITTSBURG
Facility ID: FA0038010
Billing Status: ACTIVE, BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >2.5M-10M LBS
Region: CONTRA COSTA
Cupa Number: 775296
CERS ID: 10672102

Name: DOUGLAS PRODUCTS LLC
Address: 901 LOVERIDGE RD STE D
City: PITTSBURG
Facility ID: FA0038010
Billing Status: ACTIVE, BILLABLE

Map ID
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 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

1000106863

Program Status: CONTRA COSTA CO. SITE LIST
 Program/Elements: RCRA LQG: 2000 OR MORE TONS/YEAR
 Region: CONTRA COSTA
 Cupa Number: 775296
 CERS ID: 10672102

D17
NW
1/2-1
0.542 mi.
2864 ft.

Relative:
Higher

Actual:
22 ft.

THE DOW CHEMICAL COMPANY
901 LOVERIDGE RD
PITTSBURG, CA 94565

Site 2 of 9 in cluster D

CHMIRS S105256192
Cortese N/A
ENF
ICE
HWP
HAZNET
WDS
CIWQS
HWTS

CHMIRS:

Name: Not reported
 Address: 901 LOVERIDGE RD
 City,State,Zip: PITTSBURG, CA 94565
 OES Incident Number: 19-8249
 OES notification: 12/26/2019
 OES Date: Not reported
 OES Time: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agncy Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported
 Others Number Of Decontaminated: Not reported
 Others Number Of Injuries: Not reported
 Others Number Of Fatalities: Not reported
 Vehicle Make/year: Not reported
 Vehicle License Number: Not reported
 Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA DOT PUC/ICC Number: Not reported
 Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Facility Telephone: Not reported
 Waterway Involved: No
 Waterway: Not reported
 Spill Site: Industrial Plant
 Cleanup By: Unrecoverable
 Containment: Not reported
 What Happened: Not reported
 Type: Not reported
 Measure: Not reported
 Other: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Type: VAPOR
Measure: Lbs.
Other: Not reported
Date/Time: 1120
Year: 2019
Agency: Corteva Agriscience
Incident Date: 12/26/2019
Admin Agency: Contra Costa County Health Services Department
Amount: Not reported
Contained: Not stopped, Not contained
Site Type: Not reported
E Date: Not reported
Substance: Carbon Tetrachloride
Quantity Released: 10
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
#1 Pipeline: No
#2 Pipeline: No
#3 Pipeline: No
#1 Vessel >= 300 Tons: No
#2 Vessel >= 300 Tons: No
#3 Vessel >= 300 Tons: No
Evacs: No
Injuries: No
FATALS: No
Comments: Not reported
Description: RP advised that the primary pollution control device is currently down, therefore the secondary pollution control device was being used. The pressure release device activated due to a pipeline leading to the secondary pollution control device being plugged. This caused the release of Carbon Tetrachloride (a by-product from the manufacturing process) into the atmosphere. PER THE NRC: "A CALLER REPORTED A RELEASE OF AN UNKNOWN AMOUNT OF CARBON TETRACHLORIDE INTO AN ATMOSPHERE FROM A STORAGE TANK DUE TO AN OVER PRESSURING IN THE SYSTEM. THE CALLER SUSPECTS THAT THE AMOUNT OF RELEASE WILL LIKELY REACH THE REPORTABLE QUANTITY. REMEDIAL ACTIONS THE CALLER STATED THAT THE FACILITY TECHNICIANS ARE WORKING TO BYPASS / REROUTE THE COLLECTION POINT TO RELIEVE THE PRESSURE IN THE SYSTEM."

Name: Not reported
Address: 901 LOVERIDGE RD
City, State, Zip: PITTSBURG, CA 94565
OES Incident Number: 17-1870
OES notification: 03/03/2017
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL,VAPOR
Measure:	Lbs.
Other:	Not reported
Type:	CHEMICAL,VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1355
Year:	2017
Agency:	Dow Chemical
Incident Date:	03/03/2017
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Dichloropropene
Quantity Released:	178
Unknown:	Not reported
Substance #2:	Methylene Chloride 885
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: Site air loss caused a safety system to activate & water quench to the dryer which caused the dryer to overfill and activate a pressure release disk. Release impacted the process area. Release is contained and no longer releasing. No waterways impacted. Unknown who (Dow or Contractor) will conduct clean up. NRC Report states: "CALLER IS REPORTING THAT AN AIR LOSS ACTIVATED A SAFETY SYSTEM WHICH CLENCHED A DRIER CAUSING THE DRIER TO OVERPRESSURE RELEASING DICHLOROPROPENE AND METHYLENE CHLORIDE TO THE AIR. MADE NOTIFICATIONS."
Name:	Not reported
Address:	901 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	20-0946
OES notification:	02/17/2020
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business

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MAP FINDINGS

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EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL,VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1400
Year:	2020
Agency:	Corteva Agriscence
Incident Date:	02/17/2020
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Solvent - Organic Type, Carbon Tetrachloride
Quantity Released:	12
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	During a tank transfer a hole in 1" line caused the release, material flowed onto concrete and some vaporized into the atmosphere, RP handled the containment and clean up.
Name:	Not reported
Address:	901 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	08-1543
OES notification:	02/24/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
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THE DOW CHEMICAL COMPANY (Continued)

S105256192

More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1800
Year:	2008
Agency:	Dow Chemical
Incident Date:	2/23/2008
Admin Agency:	Contra Costa County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Carbon Tetrachloride
Quantity Released:	32
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A pump seal failure at the production unit caused the release of the chemical as a vapor into the air. This occurred outside on Dow Chemical property.

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MAP FINDINGS

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

Name: Not reported
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
OES Incident Number: 0-2788
OES notification: 06/22/2000
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2000
Agency: Dow
Incident Date: 6/22/200012:00:00 AM
Admin Agency: Contra Costa County Health Services Dept.
Amount: Not reported
Contained: Yes
Site Type: Industrial Plant
E Date: Not reported
Substance: chlorine
Gallons: 0.000000
Pounds: 52.6
Unknown: 0
Substance #2: Not reported
Substance #3: Not reported
Evacuations: 0

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Number of Injuries: 0
Number of Fatalities: 0
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatafs: Not reported
Comments: Not reported
Description: unknown cause.

Name: Not reported
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
OES Incident Number: 5-6117
OES notification: 10/22/2005
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: None
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2005

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MAP FINDINGS

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

Agency: Dow Chemical
Incident Date: 10/22/2005 12:00:00 AM
Admin Agency: Contra Costa County Health Services Dept.
Amount: Not reported
Contained: Yes
Site Type: Refinery
E Date: Not reported
Substance: Chlorine
Gallons: 0.000000
Unknown: 0
Substance #2: Not reported
Substance #3: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
FATALS: Not reported
Comments: Not reported
Description: Transfer line on the facility released materials into the air due to a failure of a drain valve.

Name: Not reported
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA
OES Incident Number: 22-7258
OES notification: 12/11/2022
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL,VAPOR
Measure:	Unknown
Other:	Not reported
Date/Time:	723
Year:	2022
Agency:	NRC
Incident Date:	12/11/2022
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Chlorine Gas
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per NRC Report: Caller is reporting they had a release of chlorine gas into the air from their facility possibly due to a power outage. The cause of the incident is unknown at this time. Caller states they are not sure if this will reach the reportable quantity amount of 5 pounds. The release was secured and investigation is underway and calculating the amount released.
Name:	Not reported
Address:	901 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	5-2538
OES notification:	04/28/2005
OES Date:	Not reported

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Dowe Chemical
Incident Date:	4/28/2005 12:00:00 AM
Admin Agency:	Contra Costa County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Chlorine
Gallons:	0.000000
Pounds:	26
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatals: Not reported
Comments: Not reported
Description: THE MATERIAL RELEASED FROM A STORAGE TANK DUE TO EQUIPMENT FAILURE (LEAK AT THREAD CONNECTION).

Name: Not reported
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
OES Incident Number: 19-0317
OES notification: 01/14/2019
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Industrial Plant
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Type: CHEMICAL
Measure: Lbs.
Other: Not reported
Date/Time: 1825
Year: 2019
Agency: Dow Chemical
Incident Date: 01/14/2019

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Admin Agency: Contra Costa County Health Services Department
Amount: Not reported
Contained: Stopped, Contained
Site Type: Not reported
E Date: Not reported
Substance: Tetrachloroethylene
Quantity Released: '100
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
#1 Pipeline: No
#2 Pipeline: No
#3 Pipeline: No
#1 Vessel >= 300 Tons: No
#2 Vessel >= 300 Tons: No
#3 Vessel >= 300 Tons: No
Evacs: No
Injuries: No
Fatafs: No
Comments: Not reported
Description: Per the caller a heat exchanger failed causing the release.

Name: Not reported
Address: 901 LOVERIDGE RD
City, State, Zip: PITTSBURG, CA
OES Incident Number: 5-1409
OES notification: 03/02/2005
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	NRC
Incident Date:	3/2/2005 12:00:00 AM
Admin Agency:	Contra Costa County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	CARBON TETRACHLORIDE
Gallons:	0.000000
Pounds:	3
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	THE MATERIAL RELEASED FROM A 1 INCH LINE ATTACHED TO THE PROCESS VESSEL DUE TO UNKNOWN CAUSES AT THIS TIME.
Name:	Not reported
Address:	901 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA
OES Incident Number:	5-1477
OES notification:	03/04/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported

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EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	n/a
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Del Chemical
Incident Date:	3/4/2005 12:00:00 AM
Admin Agency:	Contra Costa County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Chlorine
Gallons:	0.000000
Pounds:	18
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	During the process of shutting down unit, the vent header over pressurized causing release from tank.

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Name:	Not reported
Address:	901 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	08-2723
OES notification:	04/11/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	0941
Year:	2008
Agency:	Dow Chemical
Incident Date:	4/11/2008
Admin Agency:	Contra Costa County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Carbon Tetrachloride
Quantity Released:	91.5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Number of Fatalities: 0
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatals: Not reported
Comments: Not reported
Description: A flange leak was the cause of this release.

Name: Not reported
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
OES Incident Number: 6-3760
OES notification: 06/24/2006
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Unknown
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2006
Agency: Dow Chemical

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

Incident Date: 6/25/2006 12:00:00 AM
Admin Agency: Contra Costa County Health Services Dept.
Amount: Not reported
Contained: Yes
Site Type: Industrial Plant
E Date: Not reported
Substance: Chlorine
Gallons: 0.000000
Unknown: 0
Substance #2: Not reported
Substance #3: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatafs: Not reported
Comments: Not reported
Description: Substance was released due to a hole in the B-1 column. Column was isolated and shut down. Substance was released for approximately 5 Minutes.

CORTESE:

Name: DOW CHEMICAL PITTSBURG FACILITY - SLIC/SUB15
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Region: CORTESE
Envirostor Id: Not reported
Global ID: Not reported
Site/Facility Type: Not reported
Cleanup Status: Not reported
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Clean-up and Abatement Order
Swat R: Not reported
Flag: CORTESE
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Cease Desist Orders & Cleanup Abatement Orders

Name: DOW CHEMICAL PITTSBURG FACILITY - SLIC/SUB15
Address: 901 LOVERIDGE ROAD

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

City,State,Zip: PITTSBURG, CA 94565
Region: CORTESE
Envirostor Id: Not reported
Global ID: Not reported
Site/Facility Type: Not reported
Cleanup Status: Not reported
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Clean-up and Abatement Order
Swat R: Not reported
Flag: CORTESE
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Cease Desist Orders & Cleanup Abatement Orders

ENF:

Name: THE DOW CHEMICAL COMPANY
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Region: 2
Facility Id: 263394
Agency Name: Not reported
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 38.024464
Place Longitude: -121.85768
SIC Code 1: 2819
SIC Desc 1: Industrial Inorganic Chemicals, NEC
SIC Code 2: 2879
SIC Desc 2: Pesticides and Agricultural Chemicals, NEC
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Enf Action
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	311592
Region:	2
Order / Resolution Number:	01-142
Enforcement Action Type:	13267 Letter
Effective Date:	08/02/2006
Adoption/Issuance Date:	08/02/2006
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Civil Violation and Report of Waste Discharge Order No. 01-142 for Dow Chemical
Description:	In violation of Provision 7 of Order No. 01-142 for failure to perform and submit chronic toxicity screening test results with its Report of Waste Discharge, dated April 27,2006.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0

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MAP FINDINGS

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Name:	THE DOW CHEMICAL COMPANY
Address:	901 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
Region:	2
Facility Id:	263394
Agency Name:	Dow Chemical Company
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.024464
Place Longitude:	-121.85768
SIC Code 1:	2819
SIC Desc 1:	Industrial Inorganic Chemicals, NEC
SIC Code 2:	2879
SIC Desc 2:	Pesticides and Agricultural Chemicals, NEC
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.54
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Filter backwash brine waters
Facility Waste Type 2:	Process waste, NEC
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 071017001
Reg Measure Id:	345336
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2008-0030
Npdes# CA#:	CA0004910
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	01/29/2014

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EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Effective Date: 07/01/2008
Expiration/Review Date: 06/30/2013
Termination Date: 04/12/2011
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: 66 - NPDES Based on Flow
Direction/Voice: Passive
Enforcement Id(EID): 345342
Region: 2
Order / Resolution Number: R2-2008-0031
Enforcement Action Type: Cease and Desist Order
Effective Date: 05/14/2008
Adoption/Issuance Date: 05/14/2008
Achieve Date: Not reported
Termination Date: 04/12/2011
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: CDO R2-2008-0031 Dow Chemical Company
Description: CDO for Dow Chemical Company
Program: NPDESWW
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Name: THE DOW CHEMICAL COMPANY
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Region: 2
Facility Id: 263394
Agency Name: Dow Chemical Company
Place Type: Manufacturing
Place Subtype: Manufacturing NEC
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 38.024464
Place Longitude: -121.85768
SIC Code 1: 2819
SIC Desc 1: Industrial Inorganic Chemicals, NEC
SIC Code 2: 2879
SIC Desc 2: Pesticides and Agricultural Chemicals, NEC
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.9
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Filter backwash brine waters
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDESWW
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	2 071017001
Reg Measure Id:	131154
Reg Measure Type:	NPDES Permits
Region:	2
Order #:	R2-2001-0142
Npdes# CA#:	CA0004910
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	05/16/2011
Effective Date:	11/28/2001
Expiration/Review Date:	11/28/2006
Termination Date:	06/30/2008
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	222956
Region:	2
Order / Resolution Number:	94-148
Enforcement Action Type:	Cease and Desist Order
Effective Date:	10/19/1994
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/28/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical

Map ID
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MAP FINDINGS

Site

Database(s)

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EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Title: Enforcement - 2 071017001
Description: CDO-TIME SCHED.
Program: NPDESWW
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

ICE:

Envirostor ID: 3000204
Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
EPA ID: CAD076528678
Site Type: INSPECTION
Facility Status: Significant Non-Complier

Enforcement:

Action Type: Initial Civil Filing AG (510)
Action Date: 12/06/2021

Action Type: Injunctive Relief (263)
Action Date: 09/28/2021

Action Type: Initial Civil Filing AG (510)
Action Date: 09/28/2021

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 03/05/2019

Inspection:

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 10/25/2022
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date: 06/23/2021
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/16/2020
Violation Class: Class 1
RTC Date: Not reported

Action Type: Non-financial Record Review - Treatment, Storage and Disposal
Action Date: 10/16/2020
Violation Class: Class 1
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Treatment, Storage and Disposal

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Action Date:	01/28/2020
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date:	06/23/2021
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	09/30/2022
Violation Class:	Minor
RTC Date:	09/30/2022
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	01/12/2021
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date:	12/13/2021
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date:	11/28/2018
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	01/17/2018
Violation Class:	Minor
RTC Date:	01/19/2018
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	03/02/2018
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date:	04/10/2018
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date:	01/17/2018
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	11/09/2015
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date:	11/08/2016
Violation Class:	Class 1, Class 2

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

RTC Date: 01/31/2017

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/09/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Treatment, Storage and Disposal
Action Date: 06/21/2016
Violation Class: Minor
RTC Date: 07/06/2016

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/13/2015
Violation Class: Class 1
RTC Date: 12/09/2015

Action Type: Financial Records Review - Generator
Action Date: 09/08/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - Generator
Action Date: 04/27/2015
Violation Class: Minor
RTC Date: 10/07/2015

Action Type: Focused Compliance Inspection - Generator
Action Date: 06/17/2014
Violation Class: Class 2
RTC Date: 06/18/2014

Action Type: Compliance Evaluation Inspection - Generator
Action Date: 06/17/2014
Violation Class: Class 2
RTC Date: 06/18/2014

Action Type: Focused Compliance Inspection - Generator
Action Date: 04/05/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 03/28/2002
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/27/2011
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/18/2011
Violation Class: No Violations
RTC Date: Not reported

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MAP FINDINGS

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

Action Type:	Compliance Evaluation Inspection - * Incinerator
Action Date:	05/18/2004
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Focused Compliance Inspection - Generator
Action Date:	11/02/2011
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Focused Compliance Inspection - * Incinerator
Action Date:	05/21/2003
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - * Incinerator
Action Date:	01/13/1999
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	01/23/2001
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - * Incinerator
Action Date:	03/29/2001
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - * Incinerator
Action Date:	04/04/2007
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Financial Records Review - Standardized Permit
Action Date:	07/01/2008
Violation Class:	Class 2
RTC Date:	07/31/2008
Action Type:	Compliance Evaluation Inspection - * Incinerator
Action Date:	04/28/2010
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - * Incinerator
Action Date:	01/13/2000
Violation Class:	Minor
RTC Date:	02/14/2000
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	06/17/2004
Violation Class:	Class 2
RTC Date:	04/13/2010
Action Type:	Financial Records Review - Treatment, Storage and Disposal
Action Date:	08/14/2003

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/25/2004
Violation Class: Class 2
RTC Date: 01/31/2005

Action Type: Focused Compliance Inspection - Generator
Action Date: 05/13/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/29/2002
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/29/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Focused Compliance Inspection - * Incinerator
Action Date: 06/29/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/08/2009
Violation Class: Class 2
RTC Date: 07/08/2009

Action Type: Focused Compliance Inspection - Generator
Action Date: 05/20/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/14/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/28/2009
Violation Class: Minor
RTC Date: 06/18/2009

HWP:

EPA ID: CAD076528678
Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Address: 901 LOVERIDGE RD
Cleanup Status: OPERATING PERMIT
Latitude: 38.0223
Longitude: -121.8535
Facility Type: Permitted - Operating

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MAP FINDINGS

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

<p>Facility Size: Supervisor: Site Code: Senate District: Assembly District: Public Information Officer: Commercial Offsite Facility Types: Quarterly Update:</p>	<p>Small Treatment TARYN STOKELL BUCK 200164, 200302 07, 9 11 Not reported Landfills, Treatment Facilities QUARTERLY UPDATE Quarterly Update Period: October 1, 2022 to December 31, 2022. The facility has three Hazardous Waste Facility Permits: (1) Boiler and Industrial Furnace (BIF) Permit, (2) Block 560 Drum Storage Permit, and (3) Monofill Post-Closure Permit. RECENT ACTIVITY One of the facility permits is in the renewal application process. Recent activity details are provided in the "PERMITTING REGULATORY DESCRIPTION/HISTORY" section below. After the Dow Chemical Company and E.I. du Pont Nemours & Company had a successful merger in 2017, the resulting facility applied for three sets of Permit Modifications (to change all legal entities, from Dow to Corteva) for BIF, Monofill and Block 560 DSA permits: i) 1st Mod: Class 1* Mod (March 1, 2019) to make ownership transfer & name changes to all three (3) permits, Block 560, Monofill & BIF. And, by that time, the facility should be named Corteva Agriscience Pittsburg Operations, the owner & operator should be named Dow AgroSciences, LLC, and the owner of real property should be named Centen Ag LLC. ii) 2nd Mod: Class 1 Mods (January 1, 2021) to change the Dow AgroSciences, LLC to Corteva Agriscience LLC, separately to Block 560 and Monofill. And, by that time, the facility should still be Corteva Agriscience Pittsburg Operations, the owner & operator should be changed to Corteva Agriscience LLC, and the owner of real property should still be Centen Ag LLC. iii) 3rd Mod: Class 1 Mods (September 1, 2021, September 21, 2022 and September 21, 2022) to change the Centen Ag LLC to Corteva Agriscience LLC, individually to BIF, Monofill and Block 560. And, by now, the facility should still be Corteva Agriscience Pittsburg Operations, the owner & operator should still be Corteva Agriscience LLC, and the owner of real property should be changed to Corteva Agriscience LLC. FACILITY DESCRIPTION/HISTORY (1) BIF Permit: The Facility is located at 901 Loveridge Road (Facility) in the City of Pittsburg, in Contra Costa County, on 513 acres of land. Dow purchased the property in 1938.</p>
<p>Project Manager Lead: Project Manager: Permit Type: Permit Effective Date: Permit Expiration Date: Calenviroscreen Score: Total Planned Hours: Total Planned Amount: Total Actual Hours:</p>	<p>ASAHI OKADA ASAHI OKADA RCRA 12/27/2019 (PC), 04/28/2003 (OP), 10/31/2018 (OP), 12/26/2029 (PC), 04/27/2013 (OP), 10/30/2028 (OP), 81-85% Not reported Not reported 0</p>
<p>Activities: EPA ID: Facility Type: Facility Name: Project Manager: Project Manager Lead: Supervisor: Facility Status: Activity Type: Permit Being Renewed: Permit Being Modified:</p>	<p>CAD076528678 Permitted - Operating CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS ASAHI OKADA ASAHI OKADA TARYN STOKELL BUCK OPERATING PERMIT + PC UNIT PC Renewal PC - No Changes PC Renewal PC - No Changes Not reported</p>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - APPLICATION PART B RECEIVED
Actual Date: 04/12/2017

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 03/19/2003

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 04/28/2003

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1"; Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 06/29/2006

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1"; Unit
Due Date: Not reported
Comments: Technical Completeness Determination
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 02/17/2006

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: Sent NOD letter addressing tank integrity assessment, seismic/liquefaction and closure cost issues.
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - 3RD NOTICE OF DEFICIENCY ISSUED
Actual Date: 07/25/2016

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: DTSC Permitting received RTC to 1st NOD on 5/11/2018.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 05/11/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: DTSC Permitting received RTC to 2nd NOD on 12/03/2018.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 12/03/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: 06/12/2017
Comments: 180 days before expiration date. Cost Reimbursement Agreement for Permit Application document signed on 05222017 by BC and facility, and is uploaded for the record.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - APPLICATION PART A RECEIVED
Actual Date: 04/12/2017

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-27 00:00:00
Type: RCRA
Title Description: Initial operating Permit application and withdrawal for the
"SURFACE1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 01/28/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 12/27/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: Change of Ownership and Names of Facility/Operator/Property Owner for
BIF, Monofill Landfill, Block 560 Drum Storage Area
Due Date: Not reported
Comments: To be published within 7 days of notification.
Unit Names: Block 560 Drum Storage Area, MS-HAF, ST-HAF (GPRA), SURFIMP1 (GPRA
Unit), TANK-502A, TANK-T12, TANK-T501B
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO NEWSPAPER BY
PERMITTEE
Actual Date: 03/28/2019

EPA ID: CAD076528678

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-08-13 00:00:00
Type: RCRA
Title Description: Permit track 3 for CONTAIN1, CONTAIN2, CONTAIN3, CONTAIN4, INCIN1, TANKSTR1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, CONTAIN2, CONTAIN3, CONTAIN4, TANKSTR1 (GPRA Unit), TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Event Description: Renewal - With Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 07/01/1985
EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: Trial Burn Needed for complete Permit Application.
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 11/08/2011
EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-27 00:00:00
Type: RCRA
Title Description: Initial operating Permit application and withdrawal for the "SURFACE1" Unit
Due Date: Not reported
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 08/01/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: 02/28/2023
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B"; Units
Due Date: Not reported
Comments: There were two public notices and hearings.
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 12/17/2001

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1"; Unit
Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 07/30/2016

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 07/31/2006

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported
Comments: (10) Dow BIF Part B, Vol 1 (2) Dow BIF Part B, Vol 2
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 10/26/2001

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Due Date: Not reported
Comments: Same as above.
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 02/11/2016

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN" Unit
Due Date: Not reported
Comments: Response to Technical Deficiencies
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 10/19/2005

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: 06/30/2018
Comments: To issue before the Public Comment Period Begin.
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 06/27/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Due Date:	Not reported
Comments:	Not reported
Unit Names:	Block 560 Drum Storage Area
Event Description:	Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date:	08/15/2018
EPA ID:	CAD076528678
Facility Type:	Permitted - Operating
Facility Name:	CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager:	ASAHI OKADA
Project Manager Lead:	ASAHI OKADA
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2018-09-26 00:00:00
Type:	RCRA
Title Description:	RCRA permit renewal- Block 560 Drum Storage Area
Due Date:	06/29/2018
Comments:	Not reported
Unit Names:	Block 560 Drum Storage Area
Event Description:	Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date:	06/29/2018
EPA ID:	CAD076528678
Facility Type:	Permitted - Operating
Facility Name:	CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager:	ASAHI OKADA
Project Manager Lead:	ASAHI OKADA
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2006-06-29 00:00:00
Type:	RCRA
Title Description:	Operating Permit Renewal for "CONTAIN" Unit
Due Date:	Not reported
Comments:	Part A and supplemental information
Unit Names:	Block 560 Drum Storage Area
Event Description:	Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date:	02/23/2006
EPA ID:	CAD076528678
Facility Type:	Permitted - Operating
Facility Name:	CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager:	ASAHI OKADA
Project Manager Lead:	ASAHI OKADA
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	PC Renewal PC - No Changes
Permit Being Modified:	Not reported
Final Date:	2019-11-22 00:00:00
Type:	RCRA
Title Description:	RCRA Post-closure permit 2 for SURFIMP units / Monofill

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Due Date: 11/22/2019
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT
Actual Date: 11/22/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-09-26 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, SURFIMP1 (GPRA Unit), TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 09/10/1982

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: Change of Ownership and Names of Facility/Operator/Property Owner for BIF, Monofill Landfill, Block 560 Drum Storage Area
Due Date: Not reported
Comments: Facility had a conference call and emailed in initial Class 1* Mod Requests on 3/1/19, but the official Class 1* Mod Requests, dated 3/4/19, were modified with additional DTSC s comments.
Unit Names: Block 560 Drum Storage Area, MS-HAF, ST-HAF (GPRA), SURFIMP1 (GPRA Unit), TANK-502A, TANK-T12, TANK-T501B
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Actual Date: 03/08/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: 06/23/2023
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-08-13 00:00:00
Type: RCRA
Title Description: Permit track 3 for CONTAIN1, CONTAIN2, CONTAIN3, CONTAIN4, INCIN1, TANKSTR1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, CONTAIN2, CONTAIN3, CONTAIN4, TANKSTR1 (GPRA Unit), TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Event Description: Renewal - With Changes - 3RD NOTICE OF DEFICIENCY ISSUED
Actual Date: 02/06/1991

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-08-13 00:00:00
Type: RCRA
Title Description: Permit track 3 for CONTAIN1, CONTAIN2, CONTAIN3, CONTAIN4, INCIN1, TANKSTR1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, CONTAIN2, CONTAIN3, CONTAIN4, TANKSTR1 (GPRA Unit), TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Event Description: Renewal - With Changes - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 03/20/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: 06/22/2018
Comments: 30 days to receive the final/approved Part A & B. 2 weeks to receive final Part B package. 3/15/19 received Final Part B, except for a single typo and waiting for Legal review on Draft Permit and Statement of Basis.
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 06/22/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1" Unit
Due Date: Not reported
Comments: Technical Completeness Determination
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - TECHNICAL REVIEW COMPLETED
Actual Date: 02/17/2006

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: 02/11/2016
Comments: The Part A & B Application package was shipped to HQ, but lost for unknown reason. Facility re-submitted another package on 2/11/2016.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Unit Names: BOE Form is submitted on 3/14/16.
Event Description: Block 560 Drum Storage Area
Actual Date: Renewal - No Changes - APPLICATION PART A RECEIVED
02/11/2016

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12,
TANK-T501B"; Units

Due Date: Not reported
Comments: Trial Burn Report - ST-HAF Vol. 1
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - RESPONSE TO 3RD NOD RECEIVED
Actual Date: 07/31/2000

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 10/31/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Due Date: 05/10/2019
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 05/10/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: 04/30/2019
Comments: Draft HWPCF permit renewal Prepared on 01/15/2019 and Statement of Basis for review by 02/28/2019. Completed on 04/29/2019.

Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - DRAFT POST-CLOSURE PERMIT
Actual Date: 04/29/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-09-26 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, SURFIMP1 (GPRA Unit), TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 09/26/1988

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1" Unit
Due Date: Not reported
Comments: Part A and Part B Application Call-in and Pre-Application Meeting
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 02/01/2005

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-08-13 00:00:00

Type: RCRA
Title Description: Permit track 3 for CONTAIN1, CONTAIN2, CONTAIN3, CONTAIN4, INCIN1, TANKSTR1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, CONTAIN2, CONTAIN3, CONTAIN4, TANKSTR1 (GPRA Unit), TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST RECEIVED
Actual Date: 08/13/1992

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00

Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Dow Chemical NOE CEQA document completed on 12/14/2017, and revised on 03/21/2019. Needs final signature by unit Sup. NOE was filed at the State Clearing House on 12/27/19.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL CEQA
Actual Date: 12/27/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-07-23 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 08/14/1995

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 04/10/2006

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-07-23 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: The data shows this as Part B received.
Unit Names: Block 560 Drum Storage Area, TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 03/23/1995

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHI OKADA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-08-13 00:00:00
Type: RCRA
Title Description: Permit track 3 for CONTAIN1, CONTAIN2, CONTAIN3, CONTAIN4, INCIN1, TANKSTR1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8

Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, CONTAIN2, CONTAIN3, CONTAIN4, TANKSTR1 (GPRA Unit), TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8

Event Description: Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 05/04/1992

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: Change of Ownership and Names of Facility/Operator/Property Owner for BIF, Monofill Landfill, Block 560 Drum Storage Area

Due Date: Not reported
Comments: Requirements and deficiencies had been responded to the facility at the 3/1/2019 conference call with the facility. Drafted Conditional Approval letters listed remaining issues for discussion, thought not officially sent out.

Unit Names: Block 560 Drum Storage Area, MS-HAF, ST-HAF (GPRA), SURFIMP1 (GPRA Unit), TANK-502A, TANK-T12, TANK-T501B

Event Description: Mod Class 1* - Prior Approval Required - 1ST REQUEST FOR FURTHER INFORMATION
Actual Date: 03/15/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: *Mod Class 2 - 1 or Less Units
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2004-02-05 00:00:00
Type: RCRA
Title Description: Permit Modification to remove Tank 422B

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 2 - 1 or Less Units - FINAL PERMIT MODIFICATION
Actual Date: 02/05/2004

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-27 00:00:00
Type: RCRA
Title Description: Initial operating Permit application and withdrawl for the
"SURFACE1" Unit

Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 09/05/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-07-23 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 07/23/1996

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-07-23 00:00:00
Type: RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 06/30/1995

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-09-26 00:00:00

Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, SURFIMP1 (GPRA Unit), TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 08/08/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00

Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 10/21/2015

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-09-26 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, SURFIMP1 (GPRA Unit), TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 03/29/1983
EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Facility submitted a final revised Part A and B Permit Application binder for Technical Completeness review on 05/10/2018, as amended on 11/29/2018. Final Permit application revisions were submitted on 6/4/2019.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - TECHNICAL REVIEW COMPLETED
Actual Date: 05/07/2019
EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 03/29/2006
EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: 2 months after facility s response to 1st NOD or 1 month after the facility s response to last NOD. 8 days after last piece of Dow s Response to 1st NOD. 3/29/18 technical completeness review is done on Dow s response to 1st NOD. Will wait till Legal review on Draft Permit and Statement of Basis is done.
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - TECHNICAL REVIEW COMPLETED
Actual Date: 04/11/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1" Unit
Due Date: Not reported
Comments: Part A and Part B Application (two copies)
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date: 07/01/2005

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: EJTA outreach completed 7/19/2018
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - DRAFT CEQA
Actual Date: 10/15/2021

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: Included cost recovery and permit activity forms
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 08/05/2013

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-27 00:00:00
Type: RCRA
Title Description: Initial operating Permit application and withdrawal for the
"SURFACE1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/30/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12,
TANK-T501B" Units
Due Date: Not reported
Comments: There were two public notices and hearings.
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 11/28/2001

EPA ID: CAD076528678

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: sent call in letter
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date: 05/12/2015

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported
Comments: (1) QAPP for ST-HAF; (2) Trial Burn Plan for QAPP
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 09/30/1999

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - FINAL CEQA
Actual Date: 06/29/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: 05/11/2018
Comments: Facility submitted a final Part A and B Permit Application binder for Technical Completeness review on 05/11/2018. Final revisions were made to part A and B permit application was on 6/3/2019 and received at DTSC on 6/4/2019.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 06/04/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: 06/15/2018
Comments: To start right after Tech Review is considered complete. Draft Permit be ready for USEPA/Sup reviews, then Legal review by about 60 days before the Public Comment Period Begin. 2/21/18 Draft Permit and Statement of Basis drafted. Waiting for Legal & USEPA reviews.
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date: 05/17/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 08/07/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 08/07/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 05/12/2017

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Due Date: Not reported
Comments: 1st NOD letter sent to facility on 02/09/2018.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 02/09/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-08-13 00:00:00
Type: RCRA
Title Description: Permit track 3 for CONTAIN1, CONTAIN2, CONTAIN3, CONTAIN4, INCIN1, TANKSTR1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8

Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, CONTAIN2, CONTAIN3, CONTAIN4, TANKSTR1 (GPRA Unit), TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8

Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 08/13/1992

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-27 00:00:00
Type: RCRA
Title Description: Initial operating Permit application and withdrawl for the "SURFACE1" Unit

Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 10/20/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-09-26 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, SURFIMP1 (GPRA Unit), TANKSTR1 (GPRA Unit)

Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 08/04/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-07-23 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 05/09/1995

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-07-23 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 11/08/1991

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-07-23 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 07/23/2006

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-07-23 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 07/23/1996

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-08-13 00:00:00
Type: RCRA
Title Description: Permit track 3 for CONTAIN1, CONTAIN2, CONTAIN3, CONTAIN4, INCIN1, TANKSTR1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, CONTAIN2, CONTAIN3, CONTAIN4, TANKSTR1 (GPRA Unit), TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 05/04/1992

EPA ID: CAD076528678
Facility Type: Permitted - Operating

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: Received Trial Burn Plans and Health Risk Assessment Protocol. Trial burns completed for MS HAF (7/21-29/2014 and ST HAF (9/2-9/2014). MS HAF Report received 10/22/2014. ST HAF reports received on 12/8/2014.
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 10/14/2013

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: *Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2014-08-22 00:00:00
Type: RCRA
Title Description: Replacement of X-505 Particulate Removal Unit at the ST HAF
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 08/22/2014

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 03/08/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: Sent comments on HRA Protocol. Received HRA Report on 3/8/2016
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/23/2015

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - APPLICATION PART A RECEIVED
Actual Date: 10/29/2012

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: Initial Completeness Letter sent.
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 03/11/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 09/20/2002

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported
Comments: Six other NODs were issued dated: 11/19/1998, 1/29/1999, 8/31/1999, 10/16/2000, 3/19/2001, 6/11/2001
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - 3RD NOTICE OF DEFICIENCY ISSUED
Actual Date: 10/19/1998

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: 10/20/2016
Comments: Needs ML from PPS.
Unit Names: Block 560 Drum Storage Area

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Event Description: Renewal - No Changes - PUBLIC NOTICE - PERMIT RECEIVED
Actual Date: 09/29/2016

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: Estimated 6 month from Administrative Review Complete. Delayed due to other higher priority and urgent projects, and change of tracking checklist from MS Access to MS Excel.

Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 01/12/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - ADMINISTRATIVE REVIEW APPROVED
Actual Date: 03/11/2016

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Comments: Estimated 5 days after permit decision. Assuming no public comments & no appeal petition.

Unit Names: Block 560 Drum Storage Area

Event Description: Renewal - No Changes - CEQA DETERMINATION

Actual Date: 11/07/2018

EPA ID: CAD076528678

Facility Type: Permitted - Operating

Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS

Project Manager: ASAHU OKADA

Project Manager Lead: ASAHU OKADA

Supervisor: TARYN STOKELL BUCK

Facility Status: OPERATING PERMIT + PC UNIT

Activity Type: PC Renewal PC - No Changes

Permit Being Renewed: PC Renewal PC - No Changes

Permit Being Modified: Not reported

Final Date: 2019-11-22 00:00:00

Type: RCRA

Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill

Due Date: Not reported

Comments: 2nd NOD letter sent to facility on 11/02/2018.

Unit Names: SURFIMP1 (GPRA Unit)

Event Description: PC Renewal PC - No Changes - 2ND NOTICE OF DEFICIENCY ISSUED

Actual Date: 11/02/2018

EPA ID: CAD076528678

Facility Type: Permitted - Operating

Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS

Project Manager: ASAHU OKADA

Project Manager Lead: ASAHU OKADA

Supervisor: TARYN STOKELL BUCK

Facility Status: OPERATING PERMIT + PC UNIT

Activity Type: Renewal - No Changes

Permit Being Renewed: Not reported

Permit Being Modified: Not reported

Final Date: Not reported

Type: RCRA

Title Description: BIF Permit Renewal

Due Date: Not reported

Comments: Part A, Part B, Trial Burn Plans

Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B

Event Description: Renewal - No Changes - APPLICATION PART B RECEIVED

Actual Date: 10/29/2012

EPA ID: CAD076528678

Facility Type: Permitted - Operating

Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS

Project Manager: ASAHU OKADA

Project Manager Lead: ASAHU OKADA

Supervisor: TARYN STOKELL BUCK

Facility Status: OPERATING PERMIT + PC UNIT

Activity Type: New Operating Permit

Permit Being Renewed: Not reported

Permit Being Modified: Not reported

Final Date: 1996-07-23 00:00:00

Type: RCRA

Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 02/17/1992

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units

Due Date: Not reported
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 04/27/2013

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN" Unit
Due Date: Not reported
Comments: Response to Technical Deficiencies issued 9/15/2005
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 12/05/2005

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Title Description: Operating Permit Renewal for "CONTAIN1" Unit
Due Date: Not reported
Comments: Technical Notice of Deficiency
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/15/2005

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00

Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1" Unit
Due Date: Not reported
Comments: Administrative Completeness Determination
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - ADMINISTRATIVE REVIEW APPROVED
Actual Date: 07/25/2005

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00

Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: CEQA doc release to the public before Public Comment Period Begin.
3/13/18 CEQA-P approves the Draft NOE. Will wait till Legal review on
Draft Permit to confirm. NOE approach was accepted by Rob on
3/26/2018.

Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - FINAL CEQA
Actual Date: 06/29/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 12/26/2029

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 11/04/2016

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-09-26 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, SURFIMP1 (GPRA Unit), TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 09/26/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - DISCLOSURE (CLEARED)
Actual Date: 04/24/2017

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: 03/31/2023
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-08-13 00:00:00
Type: RCRA
Title Description: Permit track 3 for CONTAIN1, CONTAIN2, CONTAIN3, CONTAIN4, INCIN1, TANKSTR1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, CONTAIN2, CONTAIN3, CONTAIN4, TANKSTR1 (GPRA Unit), TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 03/01/1985

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-08-13 00:00:00
Type: RCRA
Title Description: Permit track 3 for CONTAIN1, CONTAIN2, CONTAIN3, CONTAIN4, INCIN1, TANKSTR1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8

Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, CONTAIN2, CONTAIN3, CONTAIN4, TANKSTR1 (GPRA Unit), TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8

Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 06/18/1992

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: Change of Ownership and Names of Facility/Operator/Property Owner for BIF, Monofill Landfill, Block 560 Drum Storage Area

Due Date: Not reported
Comments: The initial Permit Mod letters were modified & submitted by 3/8/19. DTSC is waiting for Notice through mailing list, copy of newspaper print of Public Notice, facility s confirmation of successful merger/re-org/transfer of ownership and three Modified Part Bs (BIF, Monofill & Block 560 Drum Storage Area). Facility chose to deal with on-going Monofill permit first, while leaving BIF in Technical Review. Facility will now deal with Block 560 in the near future.

Unit Names: Block 560 Drum Storage Area, MS-HAF, ST-HAF (GPRA), SURFIMP1 (GPRA Unit), TANK-502A, TANK-T12, TANK-T501B

Event Description: Mod Class 1* - Prior Approval Required - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION RECEIVED
Actual Date: 01/23/2020

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 06/30/1998

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - CALL-IN LETTER ISSUED
Actual Date: 08/08/2016

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: *Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2014-08-22 00:00:00
Type: RCRA
Title Description: Replacement of X-505 Particulate Removal Unit at the ST HAF
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 08/22/2014

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: *Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Permit Being Modified: Not reported
Final Date: 2014-08-22 00:00:00
Type: RCRA
Title Description: Replacement of X-505 Particulate Removal Unit at the ST HAF
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 04/27/2013

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: 30 days to receive response. Dow requested extended time to submit the CP and CE by 3/15/2018, while the rest will be submitted by the given due date of 2/14/2018. Due date revised per supporting staff s request(s).
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 03/15/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: 05/08/2019
Comments: Technical completeness determination letter was sent to facility on 05/07/2019.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 05/07/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 02/24/2006

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-09-26 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, SURFIMP1 (GPRA Unit), TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 06/20/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Mod Class 1* - Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: Change of Ownership and Names of Facility/Operator/Property Owner for BIF, Monofill Landfill, Block 560 Drum Storage Area
Due Date: Not reported
Comments: Merger transaction is expected to complete by 4/1/2019. A conditional DTSC approval will be sent out to allow facility to move forward with merger/re-organization. A final approval will depend on fulfillment of Notice/Public Notice, successful merger/re-organization/transfer of responsibilities, coverage & liabilities. Conditional Approval Letters were not sent out. Continuous discussion was on going to address incomplete FA, DS issues.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Unit Names: Block 560 Drum Storage Area, MS-HAF, ST-HAF (GPRA), SURFIMP1 (GPRA Unit), TANK-502A, TANK-T12, TANK-T501B

Event Description: Mod Class 1* - Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER

Actual Date: 03/22/2019

EPA ID: CAD076528678

Facility Type: Permitted - Operating

Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS

Project Manager: ASAHU OKADA

Project Manager Lead: ASAHU OKADA

Supervisor: TARYN STOKELL BUCK

Facility Status: OPERATING PERMIT + PC UNIT

Activity Type: New Operating Permit

Permit Being Renewed: Not reported

Permit Being Modified: Not reported

Final Date: 1988-09-27 00:00:00

Type: RCRA

Title Description: Initial operating Permit application and withdrawal for the "SURFACE1" Unit

Due Date: Not reported

Comments: Not reported

Unit Names: SURFIMP1 (GPRA Unit)

Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED

Actual Date: 09/27/1988

EPA ID: CAD076528678

Facility Type: Permitted - Operating

Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS

Project Manager: ASAHU OKADA

Project Manager Lead: ASAHU OKADA

Supervisor: TARYN STOKELL BUCK

Facility Status: OPERATING PERMIT + PC UNIT

Activity Type: Renewal - No Changes

Permit Being Renewed: Not reported

Permit Being Modified: Not reported

Final Date: 2018-09-26 00:00:00

Type: RCRA

Title Description: RCRA permit renewal- Block 560 Drum Storage Area

Due Date: Not reported

Comments: Within estimated 90 days after Administrative Review Complete.

Unit Names: Block 560 Drum Storage Area

Event Description: Renewal - No Changes - TECHNICAL REVIEW BEGIN

Actual Date: 06/14/2016

EPA ID: CAD076528678

Facility Type: Permitted - Operating

Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS

Project Manager: ASAHU OKADA

Project Manager Lead: ASAHU OKADA

Supervisor: TARYN STOKELL BUCK

Facility Status: OPERATING PERMIT + PC UNIT

Activity Type: Renewal - No Changes

Permit Being Renewed: Not reported

Permit Being Modified: Not reported

Final Date: Not reported

Type: RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: On December 29, 2016 Dow requested an extension of submittal date. On June 29, 2017 Dow requested a second extension of submittal date (additional 6 days).
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - RESPONSE TO 3RD NOD RECEIVED
Actual Date: 07/21/2017
EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1992-08-13 00:00:00
Type: RCRA
Title Description: Permit track 3 for CONTAIN1, CONTAIN2, CONTAIN3, CONTAIN4, INCIN1, TANKSTR1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, CONTAIN2, CONTAIN3, CONTAIN4, TANKSTR1 (GPRA Unit), TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Event Description: Renewal - With Changes - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 06/09/1992
EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA
Project Manager Lead: ASAHU OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: To start draft CEQA 1 month after the facility s response to the last NOD. 1/29/18 Draft NOE work request to CEQA-P. 3/19/18 NOE request accepted.
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - DRAFT CEQA
Actual Date: 01/29/2018
EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHU OKADA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported
Comments: There were two public notices and hearings.
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 11/28/2001

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported
Comments: There were two public notices and hearings.
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 10/27/2001

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: Not reported
Comments: Trial Burn Plan (submission of stand alone document, deletion of reference to MACT compliance), Health Risk Assessment Protocol missing
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 08/07/2013

EPA ID: CAD076528678

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2006-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN" Unit
Due Date: 03/25/2006
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date: 02/24/2006

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 05/05/1998

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 10/30/2028

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - DISCLOSURE (CLEARED)
Actual Date: 10/10/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (END)
Actual Date: 06/24/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: NOE General rule for Dow Chemical CEQA document completed on 12/14/2017 needs final signature by unit Sup for SCH. NOE CEQA document was updated via new work request on 02/20/2019.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - DRAFT CEQA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Actual Date: 12/14/2017

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: NOE CEQA document was filed with SCH on 12/27/2019.
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - CEQA DETERMINATION
Actual Date: 12/27/2019

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-09-26 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, SURFIMP1 (GPRA Unit), TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 09/26/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-09-26 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, SURFIMP1 (GPRA Unit), TANKSTR1 (GPRA Unit)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 06/20/1983

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1996-07-23 00:00:00
Type: RCRA
Title Description: Operating Permit for "CONTAIN1, TANKSTR1" Units
Due Date: Not reported
Comments: Not reported
Unit Names: Block 560 Drum Storage Area, TANKSTR1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 06/30/1995

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2018-09-26 00:00:00
Type: RCRA
Title Description: RCRA permit renewal- Block 560 Drum Storage Area
Due Date: 09/30/2018
Comments: Not reported
Unit Names: Block 560 Drum Storage Area
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date: 09/26/2018

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2003-03-19 00:00:00
Type: RCRA
Title Description: Operating Permit for "TANK-502A, BIFHAF1, BIFHAF2, TANK-T12, TANK-T501B" Units
Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: New Operating Permit - PERMIT APPEALED - APPEAL RECEIVED
Actual Date: 07/16/2003

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2019-11-22 00:00:00
Type: RCRA
Title Description: RCRA Post-closure permit 2 for SURFIMP units / Monofill
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: PC Renewal PC - No Changes - PRE-APPLICATION MEETING
Actual Date: 11/04/2016

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: 02/28/2023
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1988-09-27 00:00:00
Type: RCRA
Title Description: Initial operating Permit application and withdrawal for the "SURFACE1" Unit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 11/14/1987

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: BIF Permit Renewal
Due Date: 02/28/2023
Comments: Not reported
Unit Names: MS-HAF, ST-HAF (GPRA), TANK-502A, TANK-T12, TANK-T501B
Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: Not reported

Closure:

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 06/16/1988

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "CONTAIN2" Unit
Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Comments: Not reported
Unit Names: CONTAIN2
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 06/27/2005

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "T102, T15, T156, T21, T506B, T56A, T6" Units
Due Date: Not reported
Comments: Not reported
Unit Names: T102 (GPRA Unit), T15 (GPRA Unit), T156 (GPRA Unit), T21 (GPRA Unit), T506B (GPRA Unit), T56A, T6 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/19/1991

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure Administrative
Final Date: Not reported
Type: RCRA
Title Description: Withdrawn Permit
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN3, CONTAIN4, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5, TANKSTR6, TANKSTR7, TANKSTR8
Event Description: Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date: 08/13/1992

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: Not reported
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - DRAFT POST-CLOSURE PERMIT
Actual Date: 10/24/2007

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 10/24/2007

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: 12/13/2007
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT
Actual Date: 12/13/2007

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "TANKSTR1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1 (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 10/21/2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 12/13/2007

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "T102, T15, T156, T21, T506B, T56A, T6" Units
Due Date: Not reported
Comments: Not reported
Unit Names: T102 (GPRA Unit), T15 (GPRA Unit), T156 (GPRA Unit), T21 (GPRA Unit), T506B (GPRA Unit), T56A, T6 (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 04/07/1994

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 12/12/2017

EPA ID: CAD076528678
Facility Type: Permitted - Operating

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 09/27/1988

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "T102, T15, T156, T21, T506B, T56A, T6" Units
Due Date: Not reported
Comments: Not reported
Unit Names: T102 (GPRA Unit), T15 (GPRA Unit), T156 (GPRA Unit), T21 (GPRA Unit), T506B (GPRA Unit), T56A, T6 (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 04/07/1994

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - CEQA DETERMINATION
Actual Date: 12/13/2007

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "TANKSTR1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 01/23/2002

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: another certification date was entered for 1/7/1994
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 02/12/1991

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Other verifications were dated: 1/16/1991, 8/21/1991, 10/26/1993, 1/7/1994
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 01/01/1995

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - PUBLIC COMMENT (END)
Actual Date: 12/08/2007

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - FINAL PART A & PART B RECEIVED
Actual Date: 08/27/2007

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: Not reported
Comments: 1st Notice of Deficiency issued
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 02/02/2005

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of "TANKSTR1" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1 (GPRA Unit)
Event Description:	Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date:	07/03/2003
EPA ID:	CAD076528678
Facility Type:	Permitted - Operating
Facility Name:	CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager:	ASAHI OKADA
Project Manager Lead:	ASAHI OKADA
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Small Treatment
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of "SURFIMP1" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	Closure - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date:	07/19/1988
EPA ID:	CAD076528678
Facility Type:	Permitted - Operating
Facility Name:	CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager:	ASAHI OKADA
Project Manager Lead:	ASAHI OKADA
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Small Treatment
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	New Post-Closure Permit
Final Date:	2007-12-13 00:00:00
Type:	RCRA
Title Description:	Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1 (GPRA Unit)
Event Description:	New Post-Closure Permit - FINAL CEQA
Actual Date:	12/13/2007
EPA ID:	CAD076528678
Facility Type:	Permitted - Operating
Facility Name:	CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager:	ASAHI OKADA
Project Manager Lead:	ASAHI OKADA
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Small Treatment
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of "T102, T15, T156, T21, T506B, T56A, T6" Units

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Due Date: Not reported
Comments: Not reported
Unit Names: T102 (GPRA Unit), T15 (GPRA Unit), T156 (GPRA Unit), T21 (GPRA Unit), T506B (GPRA Unit), T56A, T6 (GPRA Unit)
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 12/19/1990

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "T102, T15, T156, T21, T506B, T56A, T6" Units
Due Date: Not reported
Comments: Not reported
Unit Names: T102 (GPRA Unit), T15 (GPRA Unit), T156 (GPRA Unit), T21 (GPRA Unit), T506B (GPRA Unit), T56A, T6 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 03/15/1990

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: Not reported
Comments: 2nd Notice of Deficiency Issued
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/18/2005

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2007-12-13 00:00:00
Type: RCRA
Title Description: Post Closure Permit for "SURFIMP1" Units / Monofil
Due Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Comments: Call-in Letter issued
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: New Post-Closure Permit - CALL-IN LETTER ISSUED
Actual Date: 12/02/2002

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Size: Small Treatment
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "SURFIMP1" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 11/04/1987

Maint:

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: July - December 2010 Semiannual and 2010 Annual Report - 2/28/2011
Document Type: Monitoring Report - Groundwater
Receive Date: 04/25/2011
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: January-December 2021 Annual Self-Monitoring Report-Compliance Evaluation Summary -RWQCB WDR #R2-2018-0006
Document Type: Monitoring Report - Groundwater
Receive Date: 08/16/2022
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: January - December 2019 Annual WDR report - Compliance evaluation summary - WDR # R2-2018-0006
Document Type: Monitoring Report - Groundwater
Receive Date: 10/07/2020
Project Manager: ASAH OKADA

Map ID
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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: DTSC FM 1646-Rollout to Permittees
Document Type: Correspondence
Receive Date: 09/14/2021
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: Title 22 CCR, Section 66264.16(f) Training Certification
Document Type: Certification Documents from Facility
Receive Date: 03/12/2021
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: Title 22 CCR, Section 66264.16(f) Training Certification
Document Type: Certification Documents from Facility
Receive Date: 03/14/2022
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: Annual Report - 2021 Annual Monofill Inspection and Survey
Document Type: Inspection Report
Receive Date: 08/29/2022
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: Semiannual Report - Compliance Evaluation Summary - WDR R2-2002-0009

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Document Type: Monitoring Report - Groundwater
Receive Date: 09/23/2014
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: Geo-Technical Stability for the Storage Tanks
Document Type: Respond to Facility Inquiries
Receive Date: 12/06/2012
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: Annual Report - 2020 Annual Monofill Inspection and Survey
Document Type: Inspection Report
Receive Date: 08/11/2021
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Title: Compliance Evaluation Summary - WDR January - June 2013 Semiannual Report Order No. R2-2002-0007
Document Type: Monitoring Report - Groundwater
Receive Date: 10/18/2012
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

Alias:
EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Facility Status: OPERATING PERMIT + PC UNIT
Project Manager: ASAH OKADA
Project Manager Lead: ASAH OKADA
Supervisor: TARYN STOKELL BUCK
Alias Type: APN
Alias: 073220046

EPA ID: CAD076528678

Map ID
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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Facility Status: OPERATING PERMIT + PC UNIT
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Alias Type: FRS
Alias: 110000602544

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Facility Status: OPERATING PERMIT + PC UNIT
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Alias Type: Project Code (Site Code)
Alias: 200164

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Facility Status: OPERATING PERMIT + PC UNIT
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Alias Type: Project Code (Site Code)
Alias: 200302

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Facility Status: OPERATING PERMIT + PC UNIT
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Alias Type: EPA Identification Number
Alias: CAD076528678

EPA ID: CAD076528678
Facility Type: Permitted - Operating
Facility Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Facility Status: OPERATING PERMIT + PC UNIT
Project Manager: ASAHI OKADA
Project Manager Lead: ASAHI OKADA
Supervisor: TARYN STOKELL BUCK
Alias Type: Alternate Name
Alias: Corteva

HAZNET:

Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Address: 901 LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 945650000
Contact: SCOTT SECHLER
Telephone: 9254325234

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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THE DOW CHEMICAL COMPANY (Continued)

S105256192

Mailing Name:	Not reported
Mailing Address:	901 LOVERIDGE RD
Year:	2021
Gepaid:	CAD076528678
TSD EPA ID:	COD991300484
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.6185
Year:	2021
Gepaid:	CAD076528678
TSD EPA ID:	CAD059494310
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H070 -
Tons:	181.08
Year:	2021
Gepaid:	CAD076528678
TSD EPA ID:	NED981723513
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	3.5965
Year:	2021
Gepaid:	CAD076528678
TSD EPA ID:	CAD059494310
CA Waste Code:	232 - Pesticides and other waste associated with pesticide production
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3565
Year:	2021
Gepaid:	CAD076528678
TSD EPA ID:	UTD981552177
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	189.8695
Year:	2021
Gepaid:	CAD076528678
TSD EPA ID:	ARD069748192
CA Waste Code:	751 - Solids or sludges with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	581.211
Year:	2021
Gepaid:	CAD076528678
TSD EPA ID:	NVT330010000
CA Waste Code:	291 - Latex waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	8.82
Year:	2021

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Gepaid: CAD076528678
TSD EPA ID: NVT330010000
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 4.8925

Year: 2021
Gepaid: CAD076528678
TSD EPA ID: UTD981552177
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 21.685

Year: 2021
Gepaid: CAD076528678
TSD EPA ID: UTD981552177
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.124

[Click this hyperlink](#) while viewing on your computer to access 129 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2021
Gen EPA ID: CAD076528678

Shipment Date: 9/9/2020
Creation Date: 10/2/2020
Receipt Date: 9/9/2020
Manifest ID: 015536043FLE
Trans EPA ID: MAD039322250
Trans Name: Clean Harbors Environmental Services, Inc.
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAD059494310
Trans Name: Clean Harbors San Jose LLC
TSD EPA ID: Not reported
TSD EPA Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 8.23
Waste Quantity: 16460
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/9/2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Creation Date: 9/16/2020
Receipt Date: 9/10/2020
Manifest ID: 020719758JJK
Trans EPA ID: CAR000154740
Trans Name: NAMAN TRUCKING
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA, INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect

Quantity Tons: 14.17
Waste Quantity: 28340
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/8/2020
Creation Date: 9/11/2020
Receipt Date: 9/9/2020
Manifest ID: 020719757JJK
Trans EPA ID: FLR000057414
Trans Name: QUALITY CARRIERS, INC.
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: Not reported
Meth Code: H020 - Solvents Recovery
Quantity Tons: 22.69
Waste Quantity: 45380
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/8/2020
Creation Date: 9/15/2020
Receipt Date: 9/9/2020
Manifest ID: 020719756JJK
Trans EPA ID: CAR000154740
Trans Name: NAMAN TRUCKING
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVT330010000

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Trans Name: US ECOLOGY NEVADA, INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect

Quantity Tons: 6.755
Waste Quantity: 13510
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/8/2020
Creation Date: 9/15/2020
Receipt Date: 9/9/2020
Manifest ID: 020719756JJK
Trans EPA ID: CAR000154740
Trans Name: NAMAN TRUCKING
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVT330010000
Trans Name: US ECOLOGY NEVADA, INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid
Regeneration, Organics Recovery Ect

Quantity Tons: 8.685
Waste Quantity: 17370
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/30/2020
Creation Date: 10/25/2020
Receipt Date: 10/5/2020
Manifest ID: 020719774JJK
Trans EPA ID: MAD039322250
Trans Name: Clean Harbors Environmental Services, Inc.
Trans 2 EPA ID: MAD039322250
Trans 2 Name: Clean Harbors Environmental Services, Inc.
TSDf EPA ID: UTD981552177
Trans Name: Clean Harbors Aragonite LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 751 - Solids or sludge with halogenated organic comp. > 1000 mg/kg
RCRA Code: D019,D032,D034
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.7945

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

Waste Quantity: 1589
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/30/2020
Creation Date: 10/20/2020
Receipt Date: 9/30/2020
Manifest ID: 015465585FLE
Trans EPA ID: MAD039322250
Trans Name: Clean Harbors Environmental Services, Inc.
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: Clean Harbors San Jose LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 17.25
Waste Quantity: 34500
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/30/2020
Creation Date: 10/20/2020
Receipt Date: 9/30/2020
Manifest ID: 020719780JJK
Trans EPA ID: FLR000057414
Trans Name: Quality Carriers Incorporated
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD059494310
Trans Name: Clean Harbors San Jose LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 19.93
Waste Quantity: 39860
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

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THE DOW CHEMICAL COMPANY (Continued)

S105256192

Shipment Date: 9/30/2020
Creation Date: 10/25/2020
Receipt Date: 10/5/2020
Manifest ID: 020719774JJK
Trans EPA ID: MAD039322250
Trans Name: Clean Harbors Environmental Services, Inc.
Trans 2 EPA ID: MAD039322250
Trans 2 Name: Clean Harbors Environmental Services, Inc.
TSDf EPA ID: UTD981552177
Trans Name: Clean Harbors Aragonite LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 751 - Solids or sludge with halogenated organic comp. > 1000 mg/kg
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.253
Waste Quantity: 506
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/30/2020
Creation Date: 10/25/2020
Receipt Date: 10/5/2020
Manifest ID: 020719774JJK
Trans EPA ID: MAD039322250
Trans Name: Clean Harbors Environmental Services, Inc.
Trans 2 EPA ID: MAD039322250
Trans 2 Name: Clean Harbors Environmental Services, Inc.
TSDf EPA ID: UTD981552177
Trans Name: Clean Harbors Aragonite LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 751 - Solids or sludge with halogenated organic comp. > 1000 mg/kg
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.1445
Waste Quantity: 289
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2020
Gen EPA ID: CAD076528678

Shipment Date: 9/9/2020
Creation Date: 10/2/2020
Receipt Date: 9/9/2020
Manifest ID: 015536043FLE
Trans EPA ID: MAD039322250

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EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Trans Name:	Clean Harbors Environmental Services, Inc.
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	Clean Harbors San Jose LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	8.23
Waste Quantity:	16460
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/9/2020
Creation Date:	9/16/2020
Receipt Date:	9/10/2020
Manifest ID:	020719758JJK
Trans EPA ID:	CAR000154740
Trans Name:	NAMAN TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	14.17
Waste Quantity:	28340
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/8/2020
Creation Date:	9/11/2020
Receipt Date:	9/9/2020
Manifest ID:	020719757JJK
Trans EPA ID:	FLR000057414
Trans Name:	QUALITY CARRIERS, INC.
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported

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EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	Not reported
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	22.69
Waste Quantity:	45380
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/8/2020
Creation Date:	9/15/2020
Receipt Date:	9/9/2020
Manifest ID:	020719756JJK
Trans EPA ID:	CAR000154740
Trans Name:	NAMAN TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	6.755
Waste Quantity:	13510
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/8/2020
Creation Date:	9/15/2020
Receipt Date:	9/9/2020
Manifest ID:	020719756JJK
Trans EPA ID:	CAR000154740
Trans Name:	NAMAN TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA, INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	8.685
Waste Quantity:	17370
Quantity Unit:	P
Additional Code 1:	Not reported

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EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/30/2020
Creation Date:	10/25/2020
Receipt Date:	10/5/2020
Manifest ID:	020719774JJK
Trans EPA ID:	MAD039322250
Trans Name:	Clean Harbors Environmental Services, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDF EPA ID:	UTD981552177
Trans Name:	Clean Harbors Aragonite LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	751 - Solids or sludge with halogenated organic comp. > 1000 mg/kg
RCRA Code:	D019,D032,D034
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.7945
Waste Quantity:	1589
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/30/2020
Creation Date:	10/20/2020
Receipt Date:	9/30/2020
Manifest ID:	015465585FLE
Trans EPA ID:	MAD039322250
Trans Name:	Clean Harbors Environmental Services, Inc.
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	Clean Harbors San Jose LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	17.25
Waste Quantity:	34500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/30/2020
Creation Date:	10/20/2020
Receipt Date:	9/30/2020

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Manifest ID:	020719780JJK
Trans EPA ID:	FLR000057414
Trans Name:	Quality Carriers Incorporated
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	Clean Harbors San Jose LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	19.93
Waste Quantity:	39860
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/30/2020
Creation Date:	10/25/2020
Receipt Date:	10/5/2020
Manifest ID:	020719774JJK
Trans EPA ID:	MAD039322250
Trans Name:	Clean Harbors Environmental Services, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDf EPA ID:	UTD981552177
Trans Name:	Clean Harbors Aragonite LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	751 - Solids or sludge with halogenated organic comp. > 1000 mg/kg
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.253
Waste Quantity:	506
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/30/2020
Creation Date:	10/25/2020
Receipt Date:	10/5/2020
Manifest ID:	020719774JJK
Trans EPA ID:	MAD039322250
Trans Name:	Clean Harbors Environmental Services, Inc.
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	Clean Harbors Environmental Services, Inc.
TSDf EPA ID:	UTD981552177
Trans Name:	Clean Harbors Aragonite LLC
TSDf Alt EPA ID:	Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

TSDF Alt Name: Not reported
Waste Code Description: 751 - Solids or sludge with halogenated organic comp. > 1000 mg/kg
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.1445
Waste Quantity: 289
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Detail Two:

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Shipment Date: 9/30/2020
Receipt Date: 10/5/2020
Manifest Number: 020719774JJK
Generator EPA ID: CAD076528678
Name: DOW AGROSCIENCES LLC
Address: 901 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Bruce Heckman
Contact Telephone: 925-432-5219
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: UTD981552177
TSDF Name: Clean Harbors Aragonite LLC
TSDF Address 1: 11600 North Aptus Road
TSDF Address 2: Not reported
TSDF City: Grantsville
TSDF Zip: 84029
TSDF Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 1
Method Code: H040
Quantity Tons: 0.36100
Quantity Waste: 722.000000
Quantity Unit: P
Number of Containers: 10
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 1
Method Code: H040
Quantity Tons: 0.36100
Quantity Waste: 722.000000
Quantity Unit: P
Number of Containers: 10
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D019

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 1
Method Code: H040
Quantity Tons: 0.36100
Quantity Waste: 722.000000
Quantity Unit: P
Number of Containers: 10
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F002

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 1
Method Code: H040
Quantity Tons: 0.36100
Quantity Waste: 722.000000
Quantity Unit: P
Number of Containers: 10
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 2
Method Code: H040
Quantity Tons: 0.03600
Quantity Waste: 72.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds

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EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Federal Code: D019

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 2
Method Code: H040
Quantity Tons: 0.03600
Quantity Waste: 72.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D039

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 2
Method Code: H040
Quantity Tons: 0.03600
Quantity Waste: 72.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F002

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 3
Method Code: H040
Quantity Tons: 0.46950
Quantity Waste: 939.000000
Quantity Unit: P
Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D019

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 3
Method Code: H040
Quantity Tons: 0.46950
Quantity Waste: 939.000000
Quantity Unit: P

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EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F002

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 4
Method Code: H040
Quantity Tons: 0.03600
Quantity Waste: 72.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D019

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 4
Method Code: H040
Quantity Tons: 0.03600
Quantity Waste: 72.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D039

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 5
Method Code: H040
Quantity Tons: 0.46950
Quantity Waste: 939.000000
Quantity Unit: P
Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D019

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 5
Method Code: H040

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Quantity Tons: 0.46950
Quantity Waste: 939.000000
Quantity Unit: P
Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D032

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 5
Method Code: H040
Quantity Tons: 0.46950
Quantity Waste: 939.000000
Quantity Unit: P
Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D034

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 5
Method Code: H040
Quantity Tons: 0.46950
Quantity Waste: 939.000000
Quantity Unit: P
Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F002

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 6
Method Code: H040
Quantity Tons: 0.79450
Quantity Waste: 1589.000000
Quantity Unit: P
Number of Containers: 22
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D019

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Manifest Number: 020719774JJK
Line Number: 6
Method Code: H040
Quantity Tons: 0.79450
Quantity Waste: 1589.000000
Quantity Unit: P
Number of Containers: 22
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D032

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 6
Method Code: H040
Quantity Tons: 0.79450
Quantity Waste: 1589.000000
Quantity Unit: P
Number of Containers: 22
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D034

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 7
Method Code: H040
Quantity Tons: 0.90300
Quantity Waste: 1806.000000
Quantity Unit: P
Number of Containers: 25
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D019

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 7
Method Code: H040
Quantity Tons: 0.90300
Quantity Waste: 1806.000000
Quantity Unit: P
Number of Containers: 25
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D032

Year: 2020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 7
Method Code: H040
Quantity Tons: 0.90300
Quantity Waste: 1806.000000
Quantity Unit: P
Number of Containers: 25
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D034

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 8
Method Code: H040
Quantity Tons: 0.72200
Quantity Waste: 1444.000000
Quantity Unit: P
Number of Containers: 20
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D019

State:
Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 1
Method Code: H040
Quantity Tons: 0.36100
Quantity Waste: 722.000000
Quantity Unit: P
Number of Containers: 10
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 551

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 2
Method Code: H040
Quantity Tons: 0.03600
Quantity Waste: 72.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Quantity Type: Pounds
State Code: 181

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 2
Method Code: H040
Quantity Tons: 0.03600
Quantity Waste: 72.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 211

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 3
Method Code: H040
Quantity Tons: 0.46950
Quantity Waste: 939.000000
Quantity Unit: P
Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 4
Method Code: H040
Quantity Tons: 0.03600
Quantity Waste: 72.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 5
Method Code: H040
Quantity Tons: 0.46950
Quantity Waste: 939.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Quantity Unit: P
Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 6
Method Code: H040
Quantity Tons: 0.79450
Quantity Waste: 1589.000000
Quantity Unit: P
Number of Containers: 22
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 7
Method Code: H040
Quantity Tons: 0.90300
Quantity Waste: 1806.000000
Quantity Unit: P
Number of Containers: 25
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 8
Method Code: H040
Quantity Tons: 0.72200
Quantity Waste: 1444.000000
Quantity Unit: P
Number of Containers: 20
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 9

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Method Code: H040
Quantity Tons: 0.03600
Quantity Waste: 72.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 10
Method Code: H040
Quantity Tons: 0.25300
Quantity Waste: 506.000000
Quantity Unit: P
Number of Containers: 7
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 11
Method Code: H040
Quantity Tons: 0.07200
Quantity Waste: 144.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 551

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 12
Method Code: H040
Quantity Tons: 0.07200
Quantity Waste: 144.000000
Quantity Unit: P
Number of Containers: 20
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 13
Method Code: H040
Quantity Tons: 0.46950
Quantity Waste: 939.000000
Quantity Unit: P
Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 13
Method Code: H040
Quantity Tons: 0.46950
Quantity Waste: 939.000000
Quantity Unit: P
Number of Containers: 13
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 14
Method Code: H040
Quantity Tons: 0.18050
Quantity Waste: 361.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 16
Method Code: H040
Quantity Tons: 1.62500
Quantity Waste: 3250.000000
Quantity Unit: P
Number of Containers: 45
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 17
Method Code: H040
Quantity Tons: 0.14450
Quantity Waste: 289.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 18
Method Code: H040
Quantity Tons: 0.90300
Quantity Waste: 1806.000000
Quantity Unit: P
Number of Containers: 25
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 2bddcb46-faea-4f82-be63-64f791311cfe
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-30
Manifest Number: 020719774JJK
Line Number: 19
Method Code: H040
Quantity Tons: 0.25300
Quantity Waste: 506.000000
Quantity Unit: P
Number of Containers: 7
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: f651f1d2-9948-4d60-933d-acb9b6bbe218
Shipment Date: 9/28/2020
Receipt Date: 10/22/2020
Manifest Number: 015465483FLE
Generator EPA ID: CAD076528678
Name: DOW AGROSCIENCES LLC
Address: 901 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Telephone: 800-483-3718
Contact: Bruce Heckman
Contact Telephone: 925-432-5219
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: UTD981552177
TSDF Name: Clean Harbors Aragonite LLC
TSDF Address 1: 11600 North Aptus Road
TSDF Address 2: Not reported
TSDF City: Grantsville
TSDF Zip: 84029
TSDF Telephone: 800-483-3718

State:

Year: 2020
EM Manifest ID: f651f1d2-9948-4d60-933d-acb9b6bbe218
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-28
Manifest Number: 015465483FLE
Line Number: 1
Method Code: H040
Quantity Tons: 5.13200
Quantity Waste: 10264.000000
Quantity Unit: P
Number of Containers: 23
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 741

Year: 2020
EM Manifest ID: e217dc37-6ce2-4125-bcd5-ebe21fa49398
Shipment Date: 9/28/2020
Receipt Date: 10/3/2020
Manifest Number: 015465507FLE
Generator EPA ID: CAD076528678
Name: DOW AGROSCIENCES LLC
Address: 901 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Bruce Heckman
Contact Telephone: 925-219-7735
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD059494310
TSDF Name: Clean Harbors San Jose LLC
TSDF Address 1: 1021 Berryessa Road
TSDF Address 2: Not reported
TSDF City: San Jose
TSDF Zip: 95133
TSDF Telephone: 800-483-3718

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

State:

Year: 2020
EM Manifest ID: e217dc37-6ce2-4125-bcd5-ebe21fa49398
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-28
Manifest Number: 015465507FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.25000
Quantity Waste: 500.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 221

Year: 2020
EM Manifest ID: af8b9ae2-eb30-4b45-bc75-15b3edb7e793
Shipment Date: 9/28/2020
Receipt Date: 10/21/2020
Manifest Number: 015465489FLE
Generator EPA ID: CAD076528678
Name: DOW AGROSCIENCES LLC
Address: 901 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Bruce Heckman
Contact Telephone: 925-432-5219
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: UTD991301748
TSDf Name: Clean Harbors Grassy Mountain LLC
TSDf Address 1: 3 Miles East 7 Miles North of Knolls
TSDf Address 2: Exit 41 off I-80
TSDf City: Grantsville
TSDf Zip: 84029
TSDf Telephone: 800-483-3718

State:

Year: 2020
EM Manifest ID: af8b9ae2-eb30-4b45-bc75-15b3edb7e793
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-28
Manifest Number: 015465489FLE
Line Number: 1
Method Code: H132
Quantity Tons: 8.05000
Quantity Waste: 16100.000000
Quantity Unit: P
Number of Containers: 32
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

State Code: 172
Year: 2020
EM Manifest ID: af8b9ae2-eb30-4b45-bc75-15b3edb7e793
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-28
Manifest Number: 015465489FLE
Line Number: 2
Method Code: H132
Quantity Tons: 0.13000
Quantity Waste: 260.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2020
EM Manifest ID: 1bc0930e-e8e3-4e21-a5b7-83b62da68bac
Shipment Date: 9/28/2020
Receipt Date: 10/9/2020
Manifest Number: 015465485FLE
Generator EPA ID: CAD076528678
Name: DOW AGROSCIENCES LLC
Address: 901 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Bruce Heckman
Contact Telephone: 925-432-5219
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: NED981723513
TSDf Name: Clean Harbors Environmental Services, Inc.
TSDf Address 1: 2247 South Highway 71
TSDf Address 2: Not reported
TSDf City: Kimball
TSDf Zip: 69145
TSDf Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: 1bc0930e-e8e3-4e21-a5b7-83b62da68bac
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-28
Manifest Number: 015465485FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.50250
Quantity Waste: 1005.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Federal Code: D001

Year: 2020
EM Manifest ID: 1bc0930e-e8e3-4e21-a5b7-83b62da68bac
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-28
Manifest Number: 015465485FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.50250
Quantity Waste: 1005.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D035

Year: 2020
EM Manifest ID: 1bc0930e-e8e3-4e21-a5b7-83b62da68bac
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-28
Manifest Number: 015465485FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.50250
Quantity Waste: 1005.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F002

Year: 2020
EM Manifest ID: 1bc0930e-e8e3-4e21-a5b7-83b62da68bac
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-28
Manifest Number: 015465485FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.50250
Quantity Waste: 1005.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F005

State:
Year: 2020
EM Manifest ID: 1bc0930e-e8e3-4e21-a5b7-83b62da68bac
Generator EPA ID: CAD076528678
Shipment Date: 2020-09-28
Manifest Number: 015465485FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.50250
Quantity Waste: 1005.000000

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	212
Year:	2020
EM Manifest ID:	1bc0930e-e8e3-4e21-a5b7-83b62da68bac
Generator EPA ID:	CAD076528678
Shipment Date:	2020-09-28
Manifest Number:	015465485FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	1.58700
Quantity Waste:	3174.000000
Quantity Unit:	P
Number of Containers:	8
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	232
Year:	2020
EM Manifest ID:	1bc0930e-e8e3-4e21-a5b7-83b62da68bac
Generator EPA ID:	CAD076528678
Shipment Date:	2020-09-28
Manifest Number:	015465485FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.59900
Quantity Waste:	1198.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	135
Year:	2020
EM Manifest ID:	1bc0930e-e8e3-4e21-a5b7-83b62da68bac
Generator EPA ID:	CAD076528678
Shipment Date:	2020-09-28
Manifest Number:	015465485FLE
Line Number:	4
Method Code:	H040
Quantity Tons:	0.47400
Quantity Waste:	948.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	232
Year:	2020
EM Manifest ID:	696271a9-a0c4-498f-9a03-0d08ee919d10
Shipment Date:	8/28/2020
Receipt Date:	9/1/2020
Manifest Number:	020719750JJK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Generator EPA ID: CAD076528678
Name: DOW AGROSCIENCES LLC
Address: 901 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Bruce Heckman
Contact Telephone: 925-219-7735
Transporter 1 EPA ID: CAD982346207
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000165274
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: UTD981552177
TSDF Name: Clean Harbors Aragonite LLC
TSDF Address 1: 11600 North Aptus Road
TSDF Address 2: Not reported
TSDF City: Grantsville
TSDF Zip: 84029
TSDF Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: 696271a9-a0c4-498f-9a03-0d08ee919d10
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-28
Manifest Number: 020719750JJK
Line Number: 1
Method Code: H040
Quantity Tons: 1.97000
Quantity Waste: 3940.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal boxes, cartons, cases (including roll offs)
Quantity Type: Pounds
Federal Code: D019

Year: 2020
EM Manifest ID: 696271a9-a0c4-498f-9a03-0d08ee919d10
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-28
Manifest Number: 020719750JJK
Line Number: 1
Method Code: H040
Quantity Tons: 1.97000
Quantity Waste: 3940.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal boxes, cartons, cases (including roll offs)
Quantity Type: Pounds
Federal Code: D032

Year: 2020
EM Manifest ID: 696271a9-a0c4-498f-9a03-0d08ee919d10
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-28
Manifest Number: 020719750JJK
Line Number: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Method Code: H040
Quantity Tons: 1.97000
Quantity Waste: 3940.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal boxes, cartons, cases (including roll offs)
Quantity Type: Pounds
Federal Code: D034

State:

Year: 2020
EM Manifest ID: 696271a9-a0c4-498f-9a03-0d08ee919d10
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-28
Manifest Number: 020719750JJK
Line Number: 1
Method Code: H040
Quantity Tons: 1.97000
Quantity Waste: 3940.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal boxes, cartons, cases (including roll offs)
Quantity Type: Pounds
State Code: 751

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Shipment Date: 8/26/2020
Receipt Date: 9/11/2020
Manifest Number: 015170555FLE
Generator EPA ID: CAD076528678
Name: DOW AGROSCIENCES LLC
Address: 901 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Bruce Heckman
Contact Telephone: 925-219-7735
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: NED981723513
TSDf Name: Clean Harbors Environmental Services, Inc.
TSDf Address 1: 2247 South Highway 71
TSDf Address 2: Not reported
TSDf City: Kimball
TSDf Zip: 69145
TSDf Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Manifest Number: 015170555FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.06500
Quantity Waste: 130.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D019

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26
Manifest Number: 015170555FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.06500
Quantity Waste: 130.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D039

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26
Manifest Number: 015170555FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.06500
Quantity Waste: 130.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F002

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26
Manifest Number: 015170555FLE
Line Number: 3
Method Code: H040
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

State:

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26
Manifest Number: 015170555FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.06500
Quantity Waste: 130.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26
Manifest Number: 015170555FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.06500
Quantity Waste: 130.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 211

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26
Manifest Number: 015170555FLE
Line Number: 2
Method Code: H040
Quantity Tons: 2.56450
Quantity Waste: 5129.000000
Quantity Unit: P
Number of Containers: 39
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 232

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26
Manifest Number: 015170555FLE
Line Number: 3
Method Code: H040
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 5

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26
Manifest Number: 015170555FLE
Line Number: 4
Method Code: H040
Quantity Tons: 0.30300
Quantity Waste: 606.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26
Manifest Number: 015170555FLE
Line Number: 5
Method Code: H040
Quantity Tons: 0.58350
Quantity Waste: 1167.000000
Quantity Unit: P
Number of Containers: 11
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2020
EM Manifest ID: 3100e1ec-7676-417a-b0f5-8172ec6827ff
Generator EPA ID: CAD076528678
Shipment Date: 2020-08-26
Manifest Number: 015170555FLE
Line Number: 6
Method Code: H040
Quantity Tons: 0.08900
Quantity Waste: 178.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2020
EM Manifest ID: 1fa93ce9-7ac7-451c-bcc1-5472c7d17cf2
Shipment Date: 7/8/2020
Receipt Date: 7/28/2020
Manifest Number: 014449668FLE
Generator EPA ID: CAD076528678
Name: DOW AGROSCIENCES LLC

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Address: 901 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Bruce Heckman
Contact Telephone: 925-219-7735
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: UTD981552177
TSDf Name: Clean Harbors Aragonite LLC
TSDf Address 1: 11600 North Aptus Road
TSDf Address 2: Not reported
TSDf City: Grantsville
TSDf Zip: 84029
TSDf Telephone: 800-483-3718

State:

Year: 2020
EM Manifest ID: 1fa93ce9-7ac7-451c-bcc1-5472c7d17cf2
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449668FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.72700
Quantity Waste: 1454.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 232

Year: 2020
EM Manifest ID: 1fa93ce9-7ac7-451c-bcc1-5472c7d17cf2
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449668FLE
Line Number: 2
Method Code: H040
Quantity Tons: 0.72500
Quantity Waste: 1450.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 741

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Shipment Date: 7/8/2020
Receipt Date: 7/20/2020
Manifest Number: 014449671FLE
Generator EPA ID: CAD076528678
Name: DOW AGROSCIENCES LLC

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Address: 901 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Bruce Heckman
Contact Telephone: 925-219-7735
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000187922
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: NED981723513
TSDf Name: Clean Harbors Environmental Services, Inc.
TSDf Address 1: 2247 South Highway 71
TSDf Address 2: Not reported
TSDf City: Kimball
TSDf Zip: 69145
TSDf Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.25800
Quantity Waste: 516.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.25800
Quantity Waste: 516.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D035

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.25800

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Quantity Waste: 516.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F002

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.25800
Quantity Waste: 516.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F005

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 3
Method Code: H040
Quantity Tons: 0.04000
Quantity Waste: 80.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D039

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 4
Method Code: H040
Quantity Tons: 0.17150
Quantity Waste: 343.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

State:

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Manifest Number: 014449671FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.25800
Quantity Waste: 516.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 212

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 2
Method Code: H040
Quantity Tons: 0.36250
Quantity Waste: 725.000000
Quantity Unit: P
Number of Containers: 6
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 232

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 3
Method Code: H040
Quantity Tons: 0.04000
Quantity Waste: 80.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 4
Method Code: H040
Quantity Tons: 0.17150
Quantity Waste: 343.000000
Quantity Unit: P
Number of Containers: 5
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 5
Method Code: H040
Quantity Tons: 0.94700
Quantity Waste: 1894.000000
Quantity Unit: P
Number of Containers: 14
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 6
Method Code: H040
Quantity Tons: 1.16050
Quantity Waste: 2321.000000
Quantity Unit: P
Number of Containers: 24
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 7
Method Code: H040
Quantity Tons: 4.24750
Quantity Waste: 8495.000000
Quantity Unit: P
Number of Containers: 19
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2020
EM Manifest ID: b0ba2d60-05a2-4125-8742-330217352e3a
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449671FLE
Line Number: 8
Method Code: H040
Quantity Tons: 0.11450
Quantity Waste: 229.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

State Code: 343

Year: 2020
EM Manifest ID: e309b9f6-cdc7-4ed2-b7d0-3daa185140ad
Shipment Date: 7/8/2020
Receipt Date: 7/20/2020
Manifest Number: 014449670FLE
Generator EPA ID: CAD076528678
Name: DOW AGROSCIENCES LLC
Address: 901 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Bruce Heckman
Contact Telephone: 925-219-7735
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD059494310
TSDF Name: Clean Harbors San Jose LLC
TSDF Address 1: 1021 Berryessa Road
TSDF Address 2: Not reported
TSDF City: San Jose
TSDF Zip: 95133
TSDF Telephone: 800-483-3718

State:
Year: 2020
EM Manifest ID: e309b9f6-cdc7-4ed2-b7d0-3daa185140ad
Generator EPA ID: CAD076528678
Shipment Date: 2020-07-08
Manifest Number: 014449670FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.17750
Quantity Waste: 355.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 221

WDS:

Name: THE DOW CHEMICAL COMPANY
Address: 901 LOVERIDGE RD
City: PITTSBURG
Facility ID: San Francisco Bay 071017001
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

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MAP FINDINGS

Site

Database(s)

EDR ID Number
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THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

NPDES Number: CA0004910 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 2

Facility Telephone: Not reported

Facility Contact: ATTN: SANDY GALGANSKI

Agency Name: THE DOW CHEMICAL COMPANY

Agency Address: PO BOX 1398

Agency City,St,Zip: PITTSBURG 94565

Agency Contact: RANDY FISCHBACK

Agency Telephone: 9254325122

Agency Type: Private

SIC Code: 2819

SIC Code 2: 2879

Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.

Primary Waste: FILBRI

Waste Type2: I

Waste2: Filter Backwash Brine Waters

Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.

Secondary Waste: Stormwater Runoff

Secondary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.

Design Flow: 1

Baseline Flow: 1

Reclamation: No reclamation requirements associated with this facility.

POTW: The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.

Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.

Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

Name: THE DOW CHEMICAL COMPANY

Address: 901 LOVERIDGE RD

City: PITTSBURG

Facility ID: San Francisco Bay 071017002

Facility Type: Solid Waste Site-Class I - A solid waste facility at which hazardous waste may be treated or stored.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

NPDES Number: Not reported

Subregion: 2

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Telephone: Not reported
Facility Contact: SANDY GALGANSKI
Agency Name: THE DOW CHEMICAL COMPANY
Agency Address: PO BOX 1398
Agency City,St,Zip: PITTSBURG 94565
Agency Contact: RANDY FISCHBACK
Agency Telephone: 9254325122
Agency Type: Private
SIC Code: 2879
SIC Code 2: 2821
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste: PROCES
Waste Type2: D
Waste2: Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste: Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Secondary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Name: THE DOW CHEMICAL COMPANY
Address: 901 LOVERIDGE RD
City: PITTSBURG
Facility ID: San Francisco Bay 071017002
Facility Type: Solid Waste Site-Class I - A solid waste facility at which hazardous waste may be treated or stored.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 2
Facility Telephone: Not reported
Facility Contact: SANDY GALGANSKI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Agency Name: THE DOW CHEMICAL COMPANY
Agency Address: PO BOX 1398
Agency City,St,Zip: PITTSBURG 94565
Agency Contact: RANDY FISCHBACK
Agency Telephone: 9254325122
Agency Type: Private
SIC Code: 2879
SIC Code 2: 2821
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste: PROCES
Waste Type2: D
Waste2: Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type: Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste: Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Secondary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

CIWQS:

Name: THE DOW CHEMICAL COMPANY
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Agency: Dow Chemical Company
Agency Address: Po Box 1398, Pittsburg, CA 94565
Place/Project Type: Manufacturing NEC
SIC/NAICS: 2819(+)
Region: 2
Program: NPDESWW, NPDINDLRG
Regulatory Measure Status: Historical
Regulatory Measure Type: NPDES Permit
Order Number: R2-2008-0030
WDID: 2 071017001
NPDES Number: CA0004910

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Adoption Date: 05/14/2008
Effective Date: 07/01/2008
Termination Date: 04/12/2011
Expiration/Review Date: 06/30/2013
Design Flow: 0.54
Major/Minor: Major
Complexity: A
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.024464
Longitude: -121.85768

HWTS:

Name: THE DOW CHEMICAL COMPANY
Address: 901 LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565
EPA ID: CAC002751602
Inactive Date: 02/17/2014
Create Date: 11/18/2013
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 901 LOVERIDGE RD
Mailing Address 2: Not reported
Mailing City,State,Zip: PITTSBURG, CA 945652811
Owner Name: THE DOW CHEMICAL COMPANY
Owner Address: 901 LOVERIDGE RD
Owner Address 2: Not reported
Owner City,State,Zip: PITTSBURG, CA 945652811
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: RINCHEM COMPANY INC
Contact Address: 2301 BERT DR
Contact Address 2: Not reported
City,State,Zip: HOLLISTER, CA 950232547
Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 38.022971
Longitude: -121.855619

NAICS:

EPA ID: CAC002751602
Create Date: 2013-11-18 13:56:34.757
NAICS Code: 32532
NAICS Description: Pesticide and Other Agricultural Chemical Manufacturing
Issued EPA ID Date: 2013-11-18 13:56:34.76300
Inactive Date: 2014-02-17 13:56:34.75300
Facility Name: THE DOW CHEMICAL COMPANY
Facility Address: 901 LOVERIDGE RD
Facility Address 2: Not reported
Facility City: PITTSBURG
Facility County: Not reported
Facility State: CA

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE DOW CHEMICAL COMPANY (Continued)

S105256192

Facility Zip: 945652811

**D18
NW
1/2-1
0.542 mi.
2864 ft.**

**DOWELL SCHLUMBERGER INC
LOVERIDGE ROAD
PITTSBURG, CA 94565**

**SEMS-ARCHIVE
CORRACTS
RCRA NonGen / NLR**

**1000204983
CAT080010580**

Site 3 of 9 in cluster D

**Relative:
Higher
Actual:
22 ft.**

SEMS Archive:
Site ID: 0900347
EPA ID: CAT080010580
Name: DOWELL SCHLUMBERGER
Address: LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565
Cong District: 07
FIPS Code: 06013
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0900347
EPA ID: CAT080010580
Site Name: DOWELL SCHLUMBERGER
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0900347
EPA ID: CAT080010580
Site Name: DOWELL SCHLUMBERGER
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1990-08-24 04:00:00
Finish Date: 1990-08-24 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900347
EPA ID: CAT080010580
Site Name: DOWELL SCHLUMBERGER
NPL: N

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1990-12-18 05:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:

Name: DOWELL SCHLUMBERGER INC
Address: LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAT080010580
Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-MEDIUM CA PRIORITY
Actual Date: 19901218
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA Listings:

Date Form Received by Agency: 19931124
Handler Name: Dowell Schlumberger Inc
Handler Address: LOVERIDGE ROAD
Handler City,State,Zip: PITTSBURG, CA 94565
EPA ID: CAT080010580
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: LOVERIDGE ROAD
Contact City,State,Zip: PITTSBURG, CA 94565
Contact Telephone: 415-432-5670
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Ca
State District: 2
Mailing Address: PO BOX 1266
Mailing City,State,Zip: PITTSBURG, CA 94565
Owner Name: Dow Chemical Company Dowell Division
Owner Type: Private
Operator Name: Dow Chemical Company Dowell Division
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	Medium
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DOW CHEMICAL COMPANY DOWELL DIVISION
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 1266
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	415-432-5670
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DOW CHEMICAL COMPANY DOWELL DIVISION
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 1266

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

Owner/Operator City,State,Zip: CITY NOT REPORTED, CA 99999
Owner/Operator Telephone: 415-432-5670
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19931124
Handler Name: DOWELL SCHLUMBERGER INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 213112
NAICS Description: SUPPORT ACTIVITIES FOR OIL AND GAS OPERATIONS

NAICS Code: 325188
NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 81149
NAICS Description: OTHER PERSONAL AND HOUSEHOLD GOODS REPAIR AND MAINTENANCE

Has the Facility Received Notices of Violations:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19870123
Actual Return to Compliance Date: 19890130
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19880825
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: R9
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9
Enforcement Responsible Sub-Organization: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19890130
Actual Return to Compliance Date:	19940331
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19890227
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19870123
Actual Return to Compliance Date:	19890130
Return to Compliance Qualifier:	Observed

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	19921008
Actual Return to Compliance Date:	19940331
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19930730
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Manifest/Records/Reporting
Date Violation was Determined:	19870123
Actual Return to Compliance Date:	19890130
Return to Compliance Qualifier:	Observed

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880825
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19890130
Actual Return to Compliance Date:	19940331
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19890227
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

SEP Sequence Number:	Not reported	
SEP Expenditure Amount:		Not reported
SEP Scheduled Completion Date:		Not reported
SEP Actual Date:		Not reported
SEP Defaulted Date:		Not reported
SEP Type:		Not reported
SEP Type Description:		Not reported
Proposed Amount:		Not reported
Final Monetary Amount:		Not reported
Paid Amount:		Not reported
Final Count:		Not reported
Final Amount:		Not reported
Found Violation:		Yes
Agency Which Determined Violation:		State
Violation Short Description:		TSD - Manifest/Records/Reporting
Date Violation was Determined:		19870123
Actual Return to Compliance Date:		19890130
Return to Compliance Qualifier:		Observed
Violation Responsible Agency:		State
Scheduled Compliance Date:		Not reported
Enforcement Identifier:		Not reported
Date of Enforcement Action:		Not reported
Enforcement Responsible Agency:		Not reported
Enforcement Docket Number:		Not reported
Enforcement Attorney:		Not reported
Corrective Action Component:		Not reported
Appeal Initiated Date:		Not reported
Appeal Resolution Date:		Not reported
Disposition Status Date:		Not reported
Disposition Status:		Not reported
Disposition Status Description:		Not reported
Consent/Final Order Sequence Number:	Not reported	
Consent/Final Order Respondent Name:		Not reported
Consent/Final Order Lead Agency:		Not reported
Enforcement Type:	Not reported	
Enforcement Responsible Person:		Not reported
Enforcement Responsible Sub-Organization:		Not reported
SEP Sequence Number:	Not reported	
SEP Expenditure Amount:		Not reported
SEP Scheduled Completion Date:		Not reported
SEP Actual Date:		Not reported
SEP Defaulted Date:		Not reported
SEP Type:		Not reported
SEP Type Description:		Not reported
Proposed Amount:		Not reported
Final Monetary Amount:		Not reported
Paid Amount:		Not reported
Final Count:		Not reported
Final Amount:		Not reported
Found Violation:		Yes
Agency Which Determined Violation:		State
Violation Short Description:		TSD - General
Date Violation was Determined:		19910417
Actual Return to Compliance Date:		19940331
Return to Compliance Qualifier:		Observed

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19910815
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19890130
Actual Return to Compliance Date:	19940331
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19890227
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Manifest/Records/Reporting
Date Violation was Determined:	19870123
Actual Return to Compliance Date:	19890130
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19870813
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19921008
Actual Return to Compliance Date:	19940331
Return to Compliance Qualifier:	Observed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19930730
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19870123
Actual Return to Compliance Date:	19890130
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19870813
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19870123
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19890130
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890130
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19940331
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870123
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19890130
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19890117
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920828
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940331
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870123
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890130
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940331
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870123
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890130
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910417
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940331
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890130
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940331
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870123
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890130
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920828
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940331
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870123

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOWELL SCHLUMBERGER INC (Continued)

1000204983

Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890130
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

D19
NW
1/2-1
0.542 mi.
2864 ft.

Relative:
Higher

Actual:
22 ft.

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL
901 LOVERIDGE ROAD
PITTSBURG, CA 94565

Site 4 of 9 in cluster D

ENVIROSTOR **S110420971**
CPS-SLIC **N/A**
AST
CHMIRS
LDS
ENF
NPDES
CIWQS
CERS

ENVIROSTOR:
 Name: THE DOW CHEMICAL COMPANY
 Address: 901 LOVERIDGE RD
 City,State,Zip: PITTSBURG, CA 945650000
 Facility ID: 80001680
 Status: Refer: RWQCB
 Status Date: 01/01/2008
 Site Code: 200302
 Site Type: Corrective Action
 Site Type Detailed: Corrective Action
 Acres: 0
 NPL: NO
 Regulatory Agencies: RWQCB 2 - San Francisco Bay
 Lead Agency: RWQCB 2 - San Francisco Bay
 Program Manager: Not reported
 Supervisor: Ajit Vaidya
 Division Branch: Engineering & Special Projects
 Assembly: 15
 Senate: 9
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 38.0223
 Longitude: -121.8535
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD076528678
Alias Type: EPA Identification Number
Alias Name: 110000602544
Alias Type: EPA (FRS #)
Alias Name: 200164
Alias Type: Project Code (Site Code)
Alias Name: 200302
Alias Type: Project Code (Site Code)
Alias Name: 80001680
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/23/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 12/28/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 09/19/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 12/28/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 09/23/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 09/23/2003
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOIL AND GROUNDWATER
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 02/24/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Completed Document Type: Consent Agreement
Completed Date: 12/16/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/18/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 08/24/1996
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOIL AND GROUNDWATER
Completed Document Type: Interim Measures Questionnaire
Completed Date: 08/31/1992
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOIL AND GROUNDWATER
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/19/1986
Comments: RCRA Facility Assessment Completed 9/18/1986

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOIL AND GROUNDWATER
Completed Document Type: RFI Report
Completed Date: 08/15/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 11/08/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 06/18/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/01/1984
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 06/18/1987
Comments: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/01/1980
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

Name: DOW CHEMICAL CO PITTSBURG FACILITY
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Region: STATE
Facility Status: Open - Remediation
Status Date: 10/01/2009
Global Id: SL20210828
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 38.0244637
Longitude: -121.8576804
Case Type: Cleanup Program Site
Case Worker: ADF
Local Agency: Not reported
RB Case Number: SL20210828
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water), Surface water
Potential Contaminants of Concern: Benzene, Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Toluene, Trichloroethylene (TCE), Vinyl chloride, Mercury (elemental)
EPA Region: 9
Coordinate Source: Google Geocode
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 01/01/1994
Leak Reported Date: 06/01/1987
How Discovered: * RBD
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: Not reported
CA Water Watershed Name: Suisun - Concord - Pittsburg - In Delta (207.34)
Dwr Groundwater Subbasin Name: Pittsburg Plain (2-004)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 76-80%
CA Enviroscreen 4 Score: 80-85%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: SAN FRANCISCO BAY RWQCB (REGION 2)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Site History: The Dow Chemical Company owns and operates a chemical manufacturing facility at 901 Loveridge Road in Pittsburg, California. The site is bounded by the New York Slough on the north, the Pittsburg-Antioch Highway on the south, Loveridge Road on the west, and parklands and commercial areas on the east. Residential areas exist further to the south beyond the Antioch-Pittsburg Highway. The site occupies approximately 993 acres of which approximately 235 acres are a wetland preserve located on the eastern side of the facility. In addition to active chemical manufacturing facilities, the site contains an active Class II (designated) solid waste landfill and a number of closed solid waste disposal units. (More information on the landfill can be found in Geotracker ID # L10002834653) Dow currently manufactures latex, agricultural chemicals, fumigants, fungicides, and hydrochloric acid at their Pittsburg facility. Historically, Dow used the site to manufacture chlorine, sodium hydroxide, hydrogen, and chlorinated solvents, including carbon tetrachloride and tetrachloroethene. In addition to chemical manufacturing activities, Dow conducts chemical development research at its Pittsburg facility. The Calpine Corporation operates a power plant on site, producing electricity and steam. The Cynera Company and M.G. Generon fabricate reverse osmosis membranes on the Dow property. Since March 2000, Dow has operated the prototype EISB system proposed in their 1999 revised corrective action plan in lieu of the site-wide hydraulic containment remedy proposed in their 1997 corrective action plan. See ECM and Fortis for more documents. An effectiveness evaluation report of the EISB system was submitted in March 2006.

[Click here to access the California GeoTracker records for this facility:](#)

AST:

Name: THE DOW CHEMICAL COMPANY
Address: 901 LOVERIDGE RD
City/Zip: PITTSBURG,94565
Certified Unified Program Agencies: Not reported
Owner: THE DOW CHEMICAL COMPANY
Total Gallons: Not reported
CERSID: 10152061
Facility ID: 07-000-729798
Business Name: THE DOW CHEMICAL COMPANY
Phone: 925-432-5000
Fax: 925-432-5997
Mailing Address: 901 Loveridge Rd.
Mailing Address City: PITTSBURG
Mailing Address State: CA
Mailing Address Zip Code: 94565
Operator Name: The Dow Chemical Company
Operator Phone: 925-432-5000
Owner Phone: 925-432-5177
Owner Mail Address: 2030 Willard H. Dow Center
Owner State: MI
Owner Zip Code: 48674
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CAD076528678

CHMIRS:

Name: Not reported
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
OES Incident Number: 22-4502
OES notification: 08/06/2022
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: None
Spill Site: Merchant/Business
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Type: CHEMICAL
Measure: Lbs.
Other: Not reported
Date/Time: 2100
Year: 2022
Agency: NRC
Incident Date: 08/05/2022
Admin Agency: Contra Costa County Health Services Department
Amount: Not reported
Contained: Stopped,Contained
Site Type: None

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

E Date:	Not reported
Substance:	Chlorine
Quantity Released:	592
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	PER NRC "CALLER IS REPORTING THE RELEASE OF 592 POUNDS OF CHLORINE FROM A CHEMICAL FACILITY. THE RELEASED MATERIAL WENT ONTO THE GROUND. THE CAUSE OF THE RELEASE IS DUE TO EQUIPMENT FAILURE" REMEDIAL ACTIONS: CONTRACTOR HAS BEEN HIRED

Name:	Not reported
Address:	901 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	22-4483
OES notification:	08/05/2022
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Waterway Involved:	No
Waterway:	None
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	745
Year:	2022
Agency:	NRC
Incident Date:	08/05/2022
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	None
E Date:	Not reported
Substance:	CHLORINE
Quantity Released:	10
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	PER NRC "THE CALLER IS REPORTING A RELEASE OF CHLORINE LIQUID ONTO THE GROUND AND INTO THE ATMOSPHERE FROM A PROCESS LINE AT THE PLANT. THE CAUSE OF THE INCIDENT IS UNKNOWN." REMEDIAL ACTIONS: SHUTDOWN SYSTEM, CLEAN UP CREW ON-SITE, CLEAN UP UNDERWAY, INVESTIGATION UNDERWAY
Name:	Not reported
Address:	901 NORTH LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	15-1730
OES notification:	03/27/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	None
Spill Site:	Industrial Plant
Cleanup By:	On-site Personnel
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Lbs.
Other:	Not reported
Date/Time:	249
Year:	2015
Agency:	Dow Chemical Company
Incident Date:	03/27/2015
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	None
E Date:	Not reported
Substance:	Methylene Chloride
Quantity Released:	1,000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No

Map ID
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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Injuries: No
Fatals: No
Comments: Not reported
Description: Caller states there was a release of methylene chloride due to over pressuring of vessel. Caller also stated that the amount released is unknown but expected to be above the 1,000 pound reportable quantity. The release was into the atmosphere and unrecoverable. No waterways were impacted. Other unreportable chemicals associated with the release are being cleaned by on-site personnel.

Name: Not reported
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
OES Incident Number: 1-2674
OES notification: 04/29/2011
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Industrial Plant
Cleanup By: Unrecoverable
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Lbs.
Other: Not reported
Date/Time: 1200
Year: 2011
Agency: Dow Chemical

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Incident Date:	4/29/2011
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Chlorine
Quantity Released:	30
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RELEASE FROM A TANK DUE TO THE FAILURE OF A RUPTURE DISK. EXACT AMOUNT RELEASED IS UNKNOWN BUT IS EXPECTED TO BE GREATER THAN THE 10 LBS RQ. The release was to the atmosphere as vapor. The equipment has been isolated and de-pressurized to prevent further venting and to investigate the cause.
Name:	Not reported
Address:	901 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	1-4710
OES notification:	08/09/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personnel # Of Decontaminated:	Not reported
Responding Agency Personnel # Of Injuries:	Not reported
Responding Agency Personnel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

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 EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	225
Year:	2011
Agency:	NRC
Incident Date:	8/9/2011
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Chlorine
Quantity Released:	24
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC report and RP contact: Caller reported a leak on the heat exchanger causing a release of materials to the air, isolated leak and secured the release.
Name:	Not reported
Address:	901 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	20-4071
OES notification:	07/31/2020
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported

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DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	940
Year:	2020
Agency:	Corteva Agro Science
Incident Date:	07/31/2020
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Stopped
Site Type:	Not reported
E Date:	Not reported
Substance:	Perchloroethylene
Quantity Released:	1000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No

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DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Reporting party states that during the startup of a piece of equipment they released a pressure safety valve and approximately 1000 lbs was released and about 200 lbs of it, evaporated into the atmosphere. The reporting party also notified the NRC and per the NRC: CALLER REPORTED A RELEASE OF PERCHLOROETHYLENE IN A CHEMICAL FACILITY DUE TO A PROCESS UPSET. CALLER STATED 1000 POUNDS OF PERCHLOROETHYLENE WERE RELEASED WITH 200 POUNDS BEING RELEASED TO THE ATMOSPHERE.
Name:	Not reported
Address:	901 LOVERIDGE
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	08-8464
OES notification:	11/26/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported

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EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Date/Time: 0545
Year: 2008
Agency: Dow Chemical
Incident Date: 11/26/2008
Admin Agency: Contra Costa County Health Services Dept.
Amount: Not reported
Contained: Yes
Site Type: Not reported
E Date: Not reported
Substance: Carbon Tetrachloride
Quantity Released: 80
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatafs: Not reported
Comments: Not reported
Description: Caller states that due to equipment failure on the tubing fitting on heat exchange C-105, 80lbs of carbon tetrachloride was released into the air.
Not reported

Name: Not reported
Address: 901 NORTH LOVERIDGE RD
City,State,Zip: PITTSBURG, CA
OES Incident Number: 10-2090
OES notification: 03/29/2010
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported

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EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1730
Year:	2010
Agency:	Dow Chemical
Incident Date:	3/29/2010
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Carbon Tetrachloride
Quantity Released:	6
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, a leak in a pipe released approximately 6 pounds of carbon tetrachloride to gravel. No waterways affected. Pipe shut down and clean up is underway.
Name:	Not reported
Address:	901 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA
OES Incident Number:	10-1842
OES notification:	03/16/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported

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EDR ID Number
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DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	2050
Year:	2010
Agency:	DOW Chemical
Incident Date:	3/16/2010
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Perchloroethylene
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Fatals:	Not reported
Comments:	Not reported
Description:	CALLER IS REPORT THAT PERCHLOROETHYLENE RELEASED FROM THE H181 HEAT EXCHANGER DUE TO A HOLE IN ONE OF THE TUBE ON THE EXCHANGER. NO OFF SITE IMPACT. ISOLATED THE EXCHANGER AND STOPPED THE RELEASE.
Name:	Not reported
Address:	901 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	10-6955
OES notification:	11/19/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	805
Year:	2010
Agency:	Dow Chemical
Incident Date:	11/19/2010
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported

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EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Substance: Carbon Tetrachloride
Quantity Released: 10
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
#1 Pipeline: Not reported
#2 Pipeline: Not reported
#3 Pipeline: Not reported
#1 Vessel >= 300 Tons: Not reported
#2 Vessel >= 300 Tons: Not reported
#3 Vessel >= 300 Tons: Not reported
Evacs: Not reported
Injuries: Not reported
Fatafs: Not reported
Comments: Not reported
Description: Caller states a pipe is leaking within their facility due to equipment failure. An unknown amount of carbon tetrachloride has been released. The incident is on-going but all of the material is within secondary containment and crews are working on containing the release.

Name: Not reported
Address: 901 LOVERIDGE RD.
City,State,Zip: PITTSBURG, CA
OES Incident Number: 20-5440
OES notification: 09/29/2020
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported

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Database(s)

EDR ID Number
 EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	615
Year:	2020
Agency:	Corteva
Incident Date:	09/29/2020
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Stopped,Not contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Chlorine
Quantity Released:	10
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states that the release is due to a leak from a flange on a vessel. No water impacted, The chlorine is in gas form. The material released into the atmosphere. The exact cause is unknown at this time. PER NRC REPORT "CALLER IS REPORTING A RELEASE OF CHLORINE INTO THE ATMOSPHERE FROM A FLANGE ON PROCESS VESSEL DUE UNKNOWN CAUSES."
Name:	Not reported
Address:	901 LOVERIDGE RD.
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	1-1000
OES notification:	02/18/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported

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EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	None needed
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	310
Year:	2011
Agency:	Dow Chemical Company
Incident Date:	2/18/2011
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Perchloro Ethylene
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Comments:	Not reported
Description:	A leak on the heat exchanger #H610 is the cause for this release.
Name:	Not reported
Address:	901 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA
OES Incident Number:	10-5990
OES notification:	10/05/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	215
Year:	2010
Agency:	DOW Chemical
Incident Date:	10/5/2010
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Chlorine
Quantity Released:	10
Unknown:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A vapor line that feeds a reactor suffered possible failure at a valve or a gasket causing the release. The line has been de-pressurized and contained for inspection

Name:	Not reported
Address:	901 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	10-1396
OES notification:	02/25/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1433
Year:	2010
Agency:	Dow Chemical
Incident Date:	2/25/2010
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Carbon tetrachloride
Quantity Released:	10
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: The material was being transferred from one plant to another plant and a small hole in the pipeline caused a release that went onto the ground.
Name:	Not reported
Address:	901 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA
OES Incident Number:	10-3987
OES notification:	07/01/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	130
Year:	2010
Agency:	Dow Chemical
Incident Date:	7/1/2010
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Chlorine
Quantity Released:	10
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller is reporting a release of chlorine from a pinhole leak on a chlorine header due to equipment failure. The line has been secured and vented down, the release is believed to be less than 10 Lbs.

LDS:

Name:	DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL
Address:	901 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA 94565

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Global Id: L10002834653
Latitude: 38.0244
Longitude: -121.8576
Case Type: Land Disposal Site
Status: Open
Status Date: 01/01/2001
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Caseworker: ADF
Local Agency: Not reported
RB Case Number: 2 071017002
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water), Surface water
EDR Link ID: L10002834653
Potential Contaminants of Concern: Benzene, Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Toluene, Trichloroethylene (TCE), Vinyl chloride, Mercury (elemental)
EPA Region: 9
Coordinate Source: Not reported
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 01/01/2001
Leak Reported Date: 06/01/1987
How Discovered: Not reported
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: Not reported
CA Water Watershed Name: Suisun - Concord - Pittsburg - In Delta (207.34)
Dwr Groundwater Subbasin Name: Pittsburg Plain (2-004)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 56-60%
CA Enviroscreen 4 Score: 80-85%
Military DOD Site: No
Facility Project Subtype: Title 27 - Municipal Solid Waste Landfill
RWQCB Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Site History: See Geotracker case # SL20210828 for more information. Also see that Geotracker case, ECM and Fortis for documents.

[Click here to access the California GeoTracker records for this facility:](#)

ENF:

Name: DOW CHEMICAL PITTSBURG FACILITY - SLIC/SUB15
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Region: 2
Facility Id: 263395
Agency Name: Not reported
Place Type: Waste Management Unit
Place Subtype: Surface Impoundment
Facility Type: Solid Waste Class I - hazardous wastes
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 38.024464
Place Longitude: -121.85768

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

SIC Code 1:	2879
SIC Desc 1:	Pesticides and Agricultural Chemicals, NEC
SIC Code 2:	2821
SIC Desc 2:	Plastics Material and Synthetic Resins, and Nonvulcanizable Elastomers
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	131325
Region:	2
Order / Resolution Number:	R2-2002-0014
Enforcement Action Type:	Clean-up and Abatement Order

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Effective Date: 01/23/2002
Adoption/Issuance Date: 01/23/2002
Achieve Date: Not reported
Termination Date: Not reported
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Active
Title: SCR 02-0014 for The Dow Chemical Pittsburg Facility
Description: Not reported
Program: SLIC
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Name: DOW CHEMICAL PITTSBURG FACILITY - SLIC/SUB15
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Region: 2
Facility Id: 263395
Agency Name: Not reported
Place Type: Waste Management Unit
Place Subtype: Surface Impoundment
Facility Type: Solid Waste Class I - hazardous wastes
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 38.024464
Place Longitude: -121.85768
SIC Code 1: 2879
SIC Desc 1: Pesticides and Agricultural Chemicals, NEC
SIC Code 2: 2821
SIC Desc 2: Plastics Material and Synthetic Resins, and Nonvulcanizable Elastomers
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Enf Action
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: Not reported
Program Category1: Not reported

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	240245
Region:	2
Order / Resolution Number:	R2-2002-0014
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	01/23/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 071017002
Description:	Site Cleanup Requirements regulating the cleanup of site-wide VOC groundwater pollution and the use of enhanced bioremediation
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Name:	DOW CHEMICAL PITTSBURG FACILITY - SLIC/SUB15
Address:	901 LOVERIDGE ROAD

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

City,State,Zip:	PITTSBURG, CA 94565
Region:	2
Facility Id:	263395
Agency Name:	Dow Chemical Company
Place Type:	Waste Management Unit
Place Subtype:	Surface Impoundment
Facility Type:	Solid Waste Class 1 - hazardous wastes
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.024464
Place Longitude:	-121.85768
SIC Code 1:	2879
SIC Desc 1:	Pesticides and Agricultural Chemicals, NEC
SIC Code 2:	2821
SIC Desc 2:	Plastics Material and Synthetic Resins, and Nonvulcanizable Elastomers
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	2 071017002
Reg Measure Id:	131490
Reg Measure Type:	WDR
Region:	2
Order #:	R2-2002-0007
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	0.01
Status:	Active
Status Date:	02/14/2014
Effective Date:	01/23/2002
Expiration/Review Date:	01/23/2012
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: 59 - Land Disposal Site not paying tipping fee
Direction/Voice: Passive
Enforcement Id(EID): 237644
Region: 2
Order / Resolution Number: UNKNOWN
Enforcement Action Type: Oral Communication
Effective Date: 08/15/2001
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 08/15/2001
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 2 071017002
Description: Gave verbal warning to Discharger for not submitting monitoring and evaluation report for enhanced in-situ bioremediation system on time. Report was due 8-15-01 per Discharger's revised corrective action plan.
Program: LNDISPOTH
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0
Name: DOW CHEMICAL PITTSBURG FACILITY - SLIC/SUB15
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Region: 2
Facility Id: 263395
Agency Name: Dow Chemical Company
Place Type: Waste Management Unit
Place Subtype: Surface Impoundment
Facility Type: Solid Waste Class 1 - hazardous wastes
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 38.024464
Place Longitude: -121.85768
SIC Code 1: 2879
SIC Desc 1: Pesticides and Agricultural Chemicals, NEC
SIC Code 2: 2821
SIC Desc 2: Plastics Material and Synthetic Resins, and Nonvulcanizable Elastomers
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported

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EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFNONOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	2 071017002
Reg Measure Id:	131490
Reg Measure Type:	WDR
Region:	2
Order #:	R2-2002-0007
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	0.01
Status:	Active
Status Date:	02/14/2014
Effective Date:	01/23/2002
Expiration/Review Date:	01/23/2012
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	225651
Region:	2
Order / Resolution Number:	R2-2000-0073
Enforcement Action Type:	Admin Civil Liability
Effective Date:	10/18/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Administrative Civil Liability
Description:	ACL for failure to complete a pond closure on time and failure to implement groundwater containment system. \$182k

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

penalty, \$146K to a supplemental environmental project
Program: LNDISPOTH
Latest Milestone Completion Date: 11/14/2002
Of Programs1: 1
Total Assessment Amount: 36400
Initial Assessed Amount: 0
Liability \$ Amount: 36400
Project \$ Amount: 0
Liability \$ Paid: 36400
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 36400

Name: DOW CHEMICAL PITTSBURG FACILITY - SLIC/SUB15
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Region: 2
Facility Id: 263395
Agency Name: Dow Chemical Company
Place Type: Waste Management Unit
Place Subtype: Surface Impoundment
Facility Type: Solid Waste Class I - hazardous wastes
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 38.024464
Place Longitude: -121.85768
SIC Code 1: 2879
SIC Desc 1: Pesticides and Agricultural Chemicals, NEC
SIC Code 2: 2821
SIC Desc 2: Plastics Material and Synthetic Resins, and Nonvulcanizable Elastomers
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: 0.0001
Threat To Water Quality: 2
Complexity: A
Pretreatment: N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type: Process waste, NEC
Facility Waste Type 2: Washwater waste
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: LFNONOPER
Program Category1: LNDISP
Program Category2: LNDISP
Of Programs: 1
WDID: 2 071017002
Reg Measure Id: 131490
Reg Measure Type: WDR
Region: 2
Order #: R2-2002-0007
Npdes# CA#: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: 0.01
Status: Active
Status Date: 02/14/2014
Effective Date: 01/23/2002
Expiration/Review Date: 01/23/2012
Termination Date: Not reported
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: 59 - Land Disposal Site not paying tipping fee
Direction/Voice: Passive
Enforcement Id(EID): 225485
Region: 2
Order / Resolution Number: UNKNOWN
Enforcement Action Type: Notice of Violation
Effective Date: 04/01/2000
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 04/01/2000
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 2 071017002
Description: Not reported
Program: LNDISPOTH
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

NPDES:

Name: CORTEVA AGRISCIENCE PITTSBURG OPERATIONS
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Facility Status: Active
NPDES Number: CAS000001
Region: 2
Agency Number: 0
Regulatory Measure ID: 507245
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 2 071028282

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 08/02/2019
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 901 Loveridge Rd
Discharge Name: Corteva Agriscience
Discharge City: Pittsburg
Discharge State: California
Discharge Zip: 94565
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

Name: DOW CHEMICAL CO
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 2 071021408
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 06/18/2019
Operator Name: Dow Chemical Co
Operator Address: 901 Loveridge Rd
Operator City: Pittsburg
Operator State: California
Operator Zip: 94565

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 2
Regulatory Measure ID: 339487
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

WDID: 2 07I021408
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 01/14/2008
Status: Active
Status Date: 01/14/2008
Place Size: 513
Place Size Unit: Acres
Contact: Carlos Echeverria
Contact Title: Not reported
Contact Phone: 925-432-5214
Contact Phone Ext: Not reported
Contact Email: cecheverria@dow.com
Operator Name: Dow Chemical Co
Operator Address: 901 Loveridge Rd
Operator City: Pittsburg
Operator State: California
Operator Zip: 94565
Operator Contact: Carlos Echeverria
Operator Contact Title: Not reported
Operator Contact Phone: 925-432-5214
Operator Contact Phone Ext: Not reported
Operator Contact Email: cecheverria@dow.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Joaquin River New York Slough
Certifier:	Carlos Echeverria
Certifier Title:	Responsible Care Leader
Certification Date:	20-JUN-16
Primary Sic:	2879-Pesticides and Agricultural Chemicals, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	2
Regulatory Measure ID:	339487
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 07I021408
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/14/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Dow Chemical Co
Discharge Address:	901 Loveridge Rd
Discharge City:	Pittsburg
Discharge State:	California
Discharge Zip:	94565
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported
Receiving Water Name: Not reported
Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

Name: CORTEVA AGRISCIENCE PITTSBURG OPERATIONS
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 2 071028282
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 08/02/2019
Operator Name: Corteva Agriscience
Operator Address: 901 Loveridge Rd

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Operator City: Pittsburg
Operator State: California
Operator Zip: 94565

CIWQS:

Name: CORTEVA AGRISCIENCE PITTSBURG OPERATIONS
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Agency: Corteva Agriscience
Agency Address: 901 Loveridge Rd, Pittsburg, CA 94565
Place/Project Type: Industrial - Industrial Organic Chemicals, NEC
SIC/NAICS: 2869(+)
Region: 2
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 2 071028282
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 08/02/2019
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.023149
Longitude: -121.85534

Name: DOW CHEMICAL CO
Address: 901 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Agency: Dow Chemical Co
Agency Address: 901 Loveridge Rd, Pittsburg, CA 94565
Place/Project Type: Industrial - Pesticides and Agricultural Chemicals, NEC
SIC/NAICS: 2879
Region: 2
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 2 071021408
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 01/14/2008
Termination Date: 06/18/2019
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.02446

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Longitude: -121.85768

Name: DOW CHEMICAL PITTSBURG FACILITY - SLIC/SUB15
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Agency: Dow Chemical Company
Agency Address: Po Box 1398, Pittsburg, CA 94565
Place/Project Type: Surface Impoundments
SIC/NAICS: 2879(+)
Region: 2
Program: LFNONOPER, LNDISP
Regulatory Measure Status: Active
Regulatory Measure Type: WDR
Order Number: R2-2002-0007
WDID: 2 071017002
NPDES Number: Not reported
Adoption Date: 01/23/2002
Effective Date: 01/23/2002
Termination Date: Not reported
Expiration/Review Date: 01/23/2012
Design Flow: 0.0001
Major/Minor: Not reported
Complexity: A
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.024464
Longitude: -121.85768

CERS:

Name: DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 650370
CERS ID: L10002834653
CERS Description: Land Disposal Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALAN FRIEDMAN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST., SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: DOW CHEMICAL CO PITTSBURG FACILITY
Address: 901 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 650369
CERS ID: SL20210828
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL CO PITTSBURG FACILITY - LANDFILL (Continued)

S110420971

Entity Name: ALAN FRIEDMAN - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST., SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

**D20
NW
1/2-1
0.542 mi.
2864 ft.**

**DOW CHEMICAL PITTSBURGH PLT
END OF LOVERIDGE RD
PITTSBURGH, CA 94565
Site 5 of 9 in cluster D**

**CORRACTS 1015757274
RCRA-TSDF CAD076528678
RCRA-LQG
2020 COR ACTION
PADS**

**Relative:
Higher
Actual:
22 ft.**

CORRACTS:
Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD076528678
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION and TREATMENT
Actual Date: 19870618
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD076528678
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL and/OR TRT
Actual Date: 19870618
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD076528678
Area Name: SOIL AND GROUNDWATER
Corrective Action: RFA COMPLETED
Actual Date: 19860919
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

EPA ID: CAD076528678
Area Name: SOIL AND GROUNDWATER
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19860919
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD076528678
Area Name: SOIL AND GROUNDWATER
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19900815
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD076528678
Area Name: SOIL AND GROUNDWATER
Corrective Action: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION
Actual Date: 19920831
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD076528678
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date: 20170919
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD076528678
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 20001228
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

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EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Surface Water Release Indicator: Not reported

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD076528678
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20030923
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD076528678
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 20030923
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CORTEVA AGRISCIENCE LLC
Address: 901 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD076528678
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 20001228
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

[Click this hyperlink](#) while viewing on your computer to access
3 additional CORRACTS: record(s) in the EDR Site Report.

RCRA TSDF:

Treatment Storage and Disposal Type: Land Disposal, Boiler/Industrial Furnace, Storage, Treatment
Full Enforcement Universe: Land Disposal, Boiler/Industrial Furnace, Storage
Corrective Action Workload Universe: Yes
Permit Renewals Workload Universe: Boiler/Industrial Furnace, Storage
Permit Workload Universe: Boiler/Industrial Furnace, Storage
Permit Progress Universe: Land Disposal, Boiler/Industrial Furnace, Storage, Treatment
Post-Closure Workload Universe: Land Disposal
Closure Workload Universe: Not reported
Operating TSDF Universe: Boiler/Industrial Furnace, Storage
Commercial TSD Indicator: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Land Disposal, Boiler/Industrial Furnace, Storage
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: Yes
TSDFs Only Subject to CA under Discretionary Auth Universe: No

Biennial: List of Years

Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

RCRA Listings:

Date Form Received by Agency: 20220301
Handler Name: Corteva Agriscience Llc
Handler Address: 901 LOVERIDGE ROAD
Handler City,State,Zip: PITTSBURG, CA 94565-0000
EPA ID: CAD076528678
Contact Name: BRUCE R HECKMAN
Contact Address: LOVERIDGE ROAD
Contact City,State,Zip: PITTSBURG, CA 94565-0000
Contact Telephone: 925-432-5219
Contact Fax: 925-432-5557
Contact Email: BRUCE.HECKMAN@CORTEVA.COM
Contact Title: SITE WASTE COORDINATOR
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2021

Map ID
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 Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	LOVERIDGE ROAD
Mailing City, State, Zip:	PITTSBURG, CA 94565-0000
Owner Name:	Corteva Agriscience Llc
Owner Type:	Private
Operator Name:	Corteva Agriscience Llc
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Accomplished
2018 GPRC Renewals Baseline:	Accomplished
202 GPRC Corrective Action Baseline:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	Yes
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	Yes
Financial Assurance Required:	Closure
Handler Date of Last Change:	20220505
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2021

[Click Here for Biennial Reporting System Data:](#)

Year: 2019

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

[Click Here for Biennial Reporting System Data:](#)
Year: 2017

[Click Here for Biennial Reporting System Data:](#)
Year: 2015

[Click Here for Biennial Reporting System Data:](#)
Year: 2013

[Click Here for Biennial Reporting System Data:](#)
Year: 2011

[Click Here for Biennial Reporting System Data:](#)
Year: 2009

[Click Here for Biennial Reporting System Data:](#)
Year: 2007

[Click Here for Biennial Reporting System Data:](#)
Year: 2005

[Click Here for Biennial Reporting System Data:](#)
Year: 2003

[Click Here for Biennial Reporting System Data:](#)
Year: 2001

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D004
Waste Description: Arsenic

Waste Code: D005
Waste Description: Barium

Waste Code: D006
Waste Description: Cadmium

Waste Code: D007
Waste Description: Chromium

Waste Code: D008
Waste Description: Lead

Waste Code: D009
Waste Description: Mercury

Waste Code: D010
Waste Description: Selenium

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DOW CHEMICAL PITTSBURGH PLT (Continued)

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Waste Code:	D011
Waste Description:	Silver
Waste Code:	D018
Waste Description:	Benzene
Waste Code:	D019
Waste Description:	Carbon Tetrachloride
Waste Code:	D021
Waste Description:	Chlorobenzene
Waste Code:	D022
Waste Description:	Chloroform
Waste Code:	D028
Waste Description:	1,2-Dichloroethane
Waste Code:	D032
Waste Description:	Hexachlorobenzene
Waste Code:	D033
Waste Description:	Hexachlorobutadiene
Waste Code:	D034
Waste Description:	Hexachloroethane
Waste Code:	D035
Waste Description:	Methyl Ethyl Ketone
Waste Code:	D038
Waste Description:	Pyridine
Waste Code:	D039
Waste Description:	Tetrachloroethylene
Waste Code:	D040
Waste Description:	Trichlorethylene
Waste Code:	D043
Waste Description:	Vinyl Chloride
Waste Code:	F001
Waste Description:	The Following Spent Halogenated Solvents Used In Degreasing: Tetrachloroethylene, Trichlorethylene, Methylene Chloride, 1,1,1-Trichloroethane, Carbon Tetrachloride And Chlorinated Fluorocarbons; All Spent Solvent Mixtures/Blends Used In Degreasing Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code:	F002
Waste Description:	The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2,

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DOW CHEMICAL PITTSBURGH PLT (Continued)

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Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: P020
Waste Description: Dinoseb (Or) Phenol, 2-(1-Methylpropyl)-4,6-Dinitro-

Waste Code: P087
Waste Description: Osmium Oxide Oso4, (T-4)- (Or) Osmium Tetroxide

Waste Code: U002
Waste Description: 2-Propanone (l) (Or) Acetone (l)

Waste Code: U008
Waste Description: 2-Propenoic Acid (l) (Or) Acrylic Acid (l)

Waste Code: U009
Waste Description: 2-Propenenitrile (Or) Acrylonitrile

Waste Code: U037
Waste Description: Benzene, Chloro- (Or) Chlorobenzene

Waste Code: U080
Waste Description: Methane, Dichloro- (Or) Methylene Chloride

Waste Code: U084
Waste Description: 1,3-Dichloropropene (Or) 1-Propene, 1,3-Dichloro-

Waste Code: U112
Waste Description: Acetic Acid, Ethyl Ester (l) (Or) Ethyl Acetate (l)

Waste Code: U154
Waste Description: Methanol (l) (Or) Methyl Alcohol (l)

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Waste Code: U210
Waste Description: Ethene, Tetrachloro- (Or) Tetrachloroethylene

Waste Code: U211
Waste Description: Carbon Tetrachloride (Or) Methane, Tetrachloro-

Waste Code: U226
Waste Description: Ethane, 1,1,1-Trichloro- (Or) Methyl Chloroform

Waste Code: U227
Waste Description: 1,1,2-Trichloroethane (Or) Ethane, 1,1,2-Trichloro-

Waste Code: U228
Waste Description: Ethene, Trichloro- (Or) Trichloroethylene

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: DOW AGROSCIENCES LLC
Legal Status: Private
Date Became Current: 20190401
Date Ended Current: Not reported
Owner/Operator Address: 901 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565-0000
Owner/Operator Telephone: 925-432-5219
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: BRUCE.HECKMAN@CORTEVA.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: CORTEVA AGRISCIENCE LLC
Legal Status: Private
Date Became Current: 20190401
Date Ended Current: Not reported
Owner/Operator Address: 901 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565-0000
Owner/Operator Telephone: 925-432-5219
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: BRUCE.HECKMAN@CORTEVA.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: THE DOW CHEMICAL COMPANY
Legal Status: Private
Date Became Current: 19381231
Date Ended Current: Not reported
Owner/Operator Address: SAME
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: THE DOW CHEMICAL COMPANY
Legal Status: Private
Date Became Current: 19381231
Date Ended Current: Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE DOW CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	19381231
Date Ended Current:	Not reported
Owner/Operator Address:	901 LOVRIDGE RD
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565-0000
Owner/Operator Telephone:	925-432-5595
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ASCOBISENO@DOW.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE DOW CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	19381231
Date Ended Current:	Not reported
Owner/Operator Address:	901 LOVERIDGE ROAD
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	925-432-5508
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DOW CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 1398
Owner/Operator City,State,Zip:	PITTSBURG, CA 94596
Owner/Operator Telephone:	415-432-5000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	THE DOW CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	19381231
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CENTEN AG LLC

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1015757274

Legal Status:	Private
Date Became Current:	20190401
Date Ended Current:	Not reported
Owner/Operator Address:	901 LOVERIDGE ROAD
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565-0000
Owner/Operator Telephone:	925-432-5000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	DOW AGROSCIENCES LLC
Legal Status:	Private
Date Became Current:	20190401
Date Ended Current:	Not reported
Owner/Operator Address:	901 LOVERIDGE ROAD
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565-0000
Owner/Operator Telephone:	925-432-5000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	925-432-5997
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE DOW CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	19381231
Date Ended Current:	Not reported
Owner/Operator Address:	901 LOVERIDGE RD.
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	THE DOW CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	19381231
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CORTEVA AGRISCIENCE LLC
Legal Status:	Private
Date Became Current:	20190401
Date Ended Current:	Not reported
Owner/Operator Address:	901 LOVERIDGE ROAD
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565-0000
Owner/Operator Telephone:	925-432-5219
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	BRUCE.HECKMAN@CORTEVA.COM

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE DOW CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	19381231
Date Ended Current:	Not reported
Owner/Operator Address:	SAME
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CORTEVA AGRISCIENCE LLC
Legal Status:	Private
Date Became Current:	20190401
Date Ended Current:	Not reported
Owner/Operator Address:	901 LOVERIDGE ROAD
Owner/Operator City,State,Zip:	PITTSBURGH, CA 94565-0000
Owner/Operator Telephone:	925-432-5219
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	BRUCE.HECKMAN@CORTEVA.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MG IND
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3 GREAT VALLEY PKWY
Owner/Operator City,State,Zip:	MALVERN, PA 19355-1424
Owner/Operator Telephone:	215-695-7400
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	THE DOW CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	19381231
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	THE DOW CHEMICAL COMPANY
Legal Status:	Private
Date Became Current:	19381231
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: THE DOW CHEMICAL COMPANY
Legal Status: Private
Date Became Current: 19381231
Date Ended Current: Not reported
Owner/Operator Address: 901 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: THE DOW CHEMICAL COMPANY
Legal Status: Private
Date Became Current: 19381231
Date Ended Current: Not reported
Owner/Operator Address: 901 LOVERIDGE ROOD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 925-432-5508
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: THE DOW CHEMICAL COMPANY
Legal Status: Private
Date Became Current: 19381231
Date Ended Current: Not reported
Owner/Operator Address: 901 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 925-432-5508
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: THE DOW CHEMICAL COMPANY
Legal Status: Private
Date Became Current: 19381231
Date Ended Current: Not reported
Owner/Operator Address: 901 LOVRIDGE RD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565-0000
Owner/Operator Telephone: 925-432-5595
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: ASCOBISENO@DOW.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: DOW AGROSCIENCES LLC
Legal Status: Private
Date Became Current: 20190401
Date Ended Current: Not reported
Owner/Operator Address: 901 LOVERIDGE ROAD

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Owner/Operator City,State,Zip: PITTSBURG, CA 94565-0000
Owner/Operator Telephone: 925-432-5219
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: BRUCE.HECKMAN@CORTEVA.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: CORTEVA AGRISCIENCE LLC
Legal Status: Private
Date Became Current: 20190401
Date Ended Current: Not reported
Owner/Operator Address: 901 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565-0000
Owner/Operator Telephone: 925-432-5219
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: BRUCE.HECKMAN@CORTEVA.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: THE DOW CHEMICAL COMPANY
Legal Status: Private
Date Became Current: 19381231
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: THE DOW CHEMICAL COMPANY
Legal Status: Private
Date Became Current: 19381231
Date Ended Current: Not reported
Owner/Operator Address: SAME
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20201030
Handler Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20100622

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Handler Name: THE DOW CHEMICAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120531
Handler Name: THE DOW CHEMICAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160224
Handler Name: THE DOW CHEMICAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: THE DOW CHEMICAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180223
Handler Name: THE DOW CHEMICAL CO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200910
Handler Name: CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210226
Handler Name: CORTEVA AGRISCIENCE LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220301
Handler Name: CORTEVA AGRISCIENCE LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: DOW GENERAL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

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Electronic Manifest Broker:	Not reported
Receive Date:	19960201
Handler Name:	DOW GENERAL
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19900412
Handler Name:	DOW CHEMICAL-PITTSBURG PLANT
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19920224
Handler Name:	DOW CHEMICAL-PITTSBURG PLANT
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19940323
Handler Name:	DOW CHEMICAL CO PITTSBURG
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19960328
Handler Name:	DOW CHEMICAL COMPANY PITTSBURG
Federal Waste Generator Description:	Large Quantity Generator

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: THE DOW CHEMICAL COMPANY PITTSBURG, CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: DOW CHEMICAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020219
Handler Name: THE DOW CHIMICAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040223
Handler Name: THE DOW CHEMICAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060222
Handler Name: THE DOW CHEMICAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080228
Handler Name: THE DOW CHEMICAL COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 211111
NAICS Description: CRUDE PETROLEUM AND NATURAL GAS EXTRACTION

NAICS Code: 32511
NAICS Description: PETROCHEMICAL MANUFACTURING

NAICS Code: 325181
NAICS Description: ALKALIES AND CHLORINE MANUFACTURING

NAICS Code: 325188
NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

NAICS Code: 32519
NAICS Description: OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325199
NAICS Description: ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING

NAICS Code: 325211
NAICS Description: PLASTICS MATERIAL AND RESIN MANUFACTURING

NAICS Code: 32532
NAICS Description: PESTICIDE AND OTHER AGRICULTURAL CHEMICAL MANUFACTURING

NAICS Code: 325998

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

NAICS Description: ALL OTHER MISCELLANEOUS CHEMICAL PRODUCT AND PREPARATION MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20090608
Actual Return to Compliance Date: 20090708
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20090612
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19910730
Actual Return to Compliance Date:	19911016
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19911212
Enforcement Identifier:	007
Date of Enforcement Action:	19910911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20090528
Actual Return to Compliance Date:	20090618
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20090528
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	541
Date of Enforcement Action:	20210212
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201016
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	542
Date of Enforcement Action:	20201016
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20090608
Actual Return to Compliance Date:	20090708
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	518
Date of Enforcement Action:	20090612
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	302
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19930820
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	010
Date of Enforcement Action:	19930623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	304
Date of Enforcement Action:	20211206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Incinerator Standards
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19921202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20161108
Actual Return to Compliance Date:	20170131
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	533
Date of Enforcement Action:	20170106
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930616
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19921202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Air Emission Standards for Equipment Leaks
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	303
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INJUNCTIVE RELIEF
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	010
Date of Enforcement Action:	19930623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19921202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19930820
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	303
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INJUNCTIVE RELIEF
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19851202
Actual Return to Compliance Date:	19860328
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19860401
Enforcement Identifier:	001
Date of Enforcement Action:	19851202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	304
Date of Enforcement Action:	20211206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Air Emission Standards for Equipment Leaks
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	304
Date of Enforcement Action:	20211206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	302
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Air Emission Standards - Tank/Sl/Container
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	302
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
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Site

Database(s)

EDR ID Number
 EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20150427
Actual Return to Compliance Date:	20151007
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	529
Date of Enforcement Action:	20150930
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Financial Requirements
Date Violation was Determined:	20080701
Actual Return to Compliance Date:	20080731
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	516
Date of Enforcement Action:	20080702
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19880822
Actual Return to Compliance Date:	19900419
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19881206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Air Emission Standards - Tank/Sl/Container
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	303
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INJUNCTIVE RELIEF
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	323
Date of Enforcement Action:	20201119
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Contingency Plan and Emergency Procedures
Date Violation was Determined:	20220930
Actual Return to Compliance Date:	20220930
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	329
Date of Enforcement Action:	20220930
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	20160621
Actual Return to Compliance Date:	20160706
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	531
Date of Enforcement Action:	20160819
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20161108
Actual Return to Compliance Date:	20170131
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	315
Date of Enforcement Action:	20170106
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	541
Date of Enforcement Action:	20210212
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	19891221
Actual Return to Compliance Date:	19891221
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19890501
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	26100
Paid Amount:	26100
Final Count:	1
Final Amount:	26100
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940729
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19941102
Enforcement Identifier:	013
Date of Enforcement Action:	19940804
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	303
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INJUNCTIVE RELIEF
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	541
Date of Enforcement Action:	20210212
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201016
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	302
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	010
Date of Enforcement Action:	19930623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20151013
Actual Return to Compliance Date:	20151209
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	300
Date of Enforcement Action:	20190305
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	SINGLE SITE CA/FO
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	25000
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	1
Final Amount:	25000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20140617
Actual Return to Compliance Date:	20140618
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	310
Date of Enforcement Action:	20140618
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Air Emission Standards for Equipment Leaks
Date Violation was Determined:	20050928
Actual Return to Compliance Date:	20060323
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20060328
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date: 20060328
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: KMORI
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19880822
Actual Return to Compliance Date: 19900419
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19890502
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

Map ID
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Database(s)

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EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Air Emission Standards - Tank/SI/Container
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	541
Date of Enforcement Action:	20210212
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Financial Requirements
Date Violation was Determined:	20080701
Actual Return to Compliance Date:	20080731
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20080702
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Air Emission Standards - Tank/Sl/Container
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	323
Date of Enforcement Action:	20201119
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19890713
Actual Return to Compliance Date:	19900419
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19890809
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19950505
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950914
Enforcement Identifier:	014
Date of Enforcement Action:	19950505
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930621
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20210318
Actual Return to Compliance Date:	20210409
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201016
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	303
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INJUNCTIVE RELIEF
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Air Emission Standards for Equipment Leaks
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	302
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20140617
Actual Return to Compliance Date:	20140618
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	528
Date of Enforcement Action:	20140818
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Contingency Plan and Emergency Procedures
Date Violation was Determined:	20220930
Actual Return to Compliance Date:	20220930
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	549
Date of Enforcement Action:	20230131
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20161108
Actual Return to Compliance Date:	20170131
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	533
Date of Enforcement Action:	20170106
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940729
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19941102
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20050928
Actual Return to Compliance Date:	20060323
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20151013
Actual Return to Compliance Date:	20151209
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	527
Date of Enforcement Action:	20151217
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19880822
Actual Return to Compliance Date:	19900419
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19881206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Incinerator Standards
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19940224
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	270730
Final Monetary Amount:	125729
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	1
Final Amount:	125729
Found Violation:	Unknown
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	010
Date of Enforcement Action:	19930623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930621
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19921202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19950505
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950914
Enforcement Identifier:	014
Date of Enforcement Action:	19950505
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20180117
Actual Return to Compliance Date:	20180119
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	316
Date of Enforcement Action:	20180322
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930616
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19921202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19921202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930616
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19921202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20210302
Actual Return to Compliance Date:	20210318
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Incinerator Standards
Date Violation was Determined:	20000113
Actual Return to Compliance Date:	20000214
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	502
Date of Enforcement Action:	20000310
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	303
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INJUNCTIVE RELIEF
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Contingency Plan and Emergency Procedures
Date Violation was Determined:	20040525
Actual Return to Compliance Date:	20050131
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20040525
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	010
Date of Enforcement Action:	19930623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20180117
Actual Return to Compliance Date:	20180119
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	535
Date of Enforcement Action:	20180322
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	323
Date of Enforcement Action:	20201119
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20040617
Actual Return to Compliance Date:	20100413
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20040819
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20180117
Actual Return to Compliance Date:	20180119
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	316
Date of Enforcement Action:	20180322
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	20160621
Actual Return to Compliance Date:	20160706
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	313
Date of Enforcement Action:	20160621
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20040525
Actual Return to Compliance Date:	20050131
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	20040929
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19880822
Actual Return to Compliance Date:	19900419
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19890502
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20090528
Actual Return to Compliance Date:	20090618
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	517
Date of Enforcement Action:	20090623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	302
Date of Enforcement Action:	20210928
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19880822
Actual Return to Compliance Date:	19900419
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19890502
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Incinerator Standards
Date Violation was Determined:	19931201
Actual Return to Compliance Date:	19931201
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Contingency Plan and Emergency Procedures
Date Violation was Determined:	20040525
Actual Return to Compliance Date:	20050131
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	20040929
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930621
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20040525
Actual Return to Compliance Date:	20050131
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20040525
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
 EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	304
Date of Enforcement Action:	20211206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Incinerator Standards
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - Incinerator Standards
Date Violation was Determined:	19940101
Actual Return to Compliance Date:	19941003
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19940224
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	270730
Final Monetary Amount:	125729
Paid Amount:	Not reported
Final Count:	1
Final Amount:	125729
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930621
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19921202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Air Emission Standards for Equipment Leaks
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	541
Date of Enforcement Action:	20210212
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20140617
Actual Return to Compliance Date:	20140618
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	307
Date of Enforcement Action:	20140618
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Incinerator Standards
Date Violation was Determined:	20000113
Actual Return to Compliance Date:	20000214
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20000114
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930616
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19921202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20161108
Actual Return to Compliance Date:	20170131
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	315
Date of Enforcement Action:	20170106
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20180117
Actual Return to Compliance Date:	20180119
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	535
Date of Enforcement Action:	20180322
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930616
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	323
Date of Enforcement Action:	20201119
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	19940509
Actual Return to Compliance Date:	19940620
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20150427
Actual Return to Compliance Date:	20151007
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	311
Date of Enforcement Action:	20150429
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19960306
Actual Return to Compliance Date:	19960402
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	015
Date of Enforcement Action:	19960306
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Incinerator Standards
Date Violation was Determined:	19931201
Actual Return to Compliance Date:	19931201
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	19931105
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20151013
Actual Return to Compliance Date:	20151209
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	309
Date of Enforcement Action:	20151015
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20140617
Actual Return to Compliance Date:	20140618
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	525
Date of Enforcement Action:	20140829
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930616
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880822
Actual Return to Compliance Date:	19900419
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19890502
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
 EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	20150427
Actual Return to Compliance Date:	20151007
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	311
Date of Enforcement Action:	20150429
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201016
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	304
Date of Enforcement Action:	20211206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930613
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19921202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20040617
Actual Return to Compliance Date:	20100413
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	511
Date of Enforcement Action:	20040819
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20201016
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	324
Date of Enforcement Action:	20201016
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19870723
Actual Return to Compliance Date:	19880802
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19871023
Enforcement Identifier:	002
Date of Enforcement Action:	19870916
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Air Emission Standards - Tank/SI/Container
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	304
Date of Enforcement Action:	20211206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	010
Date of Enforcement Action:	19930623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931029
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19950505
Actual Return to Compliance Date:	19950524
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950914
Enforcement Identifier:	014
Date of Enforcement Action:	19950505
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Records/Reporting
Date Violation was Determined:	20150427
Actual Return to Compliance Date:	20151007
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	529
Date of Enforcement Action:	20150930
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930616
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19910730
Actual Return to Compliance Date:	19911016
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19921202
Actual Return to Compliance Date:	19930616
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Air Emission Standards for Equipment Leaks
Date Violation was Determined:	20201116
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	323
Date of Enforcement Action:	20201119
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20090608
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20090708
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19911118
Evaluation Responsible Agency: State

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20051109
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910730
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911016
Scheduled Compliance Date:	19911212
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090528
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20090618
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900816
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20051222
Evaluation Responsible Agency:	EPA Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	KSAVA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20100428
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Date: 20010329
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20020529
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20180507
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20110127
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19970326
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA

Map ID
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170214
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090608
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20090708
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

Map ID
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MAP FINDINGS

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EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20081105
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180302
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930616
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950524
Scheduled Compliance Date:	19931029
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030814
Evaluation Responsible Agency:	State

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20161108
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170131
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930616
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19970818
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: KMORI
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930616
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950524
Scheduled Compliance Date: 19931029
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920422
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930613
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19990113
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Date: 19930616
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950524
Scheduled Compliance Date: 19931029
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20201116
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20210623
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19860327
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19860328
Scheduled Compliance Date: 19860401
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20111102
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960329
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20221025
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180117
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020328
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151209
Evaluation Responsible Agency:	State

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150427
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151007
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080701
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080731
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900419
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930613

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070515
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Date: 20151109
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20220930
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20220930
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900813
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20160621
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20160706
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20161108
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170131
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891221
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891221
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940620
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950524
Scheduled Compliance Date:	19941102
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180410
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930616
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950524
Scheduled Compliance Date:	19931029
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030521
Evaluation Responsible Agency:	State

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151013
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151209
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140617
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140618
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050928
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	KMORI
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060323
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900419

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080701
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080731
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890713
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900419
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Date: 19950502
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950524
Scheduled Compliance Date: 19950914
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930621
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920422
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930621
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20210318
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: CUPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20210409
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20201016
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported

Map ID
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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140617
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140618
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220930
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20220930
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20161108
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170131
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19851202
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940620
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950524
Scheduled Compliance Date:	19941102
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050928
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	KMORI
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060323
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930616
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950524
Scheduled Compliance Date:	19931029
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980825
Evaluation Responsible Agency:	State

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EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110218
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151013
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151013
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151209
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900419

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170131
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160404
Evaluation Responsible Agency:	EPA
Found Violation:	Undetermined
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	RSAGO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140908
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Date: 19930616
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950524
Scheduled Compliance Date: 19931029
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20201016
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20110405
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20080214
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20211213
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220809
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930616
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950524
Scheduled Compliance Date:	19931029
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930621
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950502
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950524
Scheduled Compliance Date:	19950914
Date of Request:	Not reported
Date Response Received:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180117
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20180119
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090513
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870723
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20161108
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930616
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930616
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920724
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20210302
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20210318

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EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000113
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20000214
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080520
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20191002
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Date: 20040525
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20050131
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20040518
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930616
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950524
Scheduled Compliance Date: 19931029
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20180117
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20180119
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20201116
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported

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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040617
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930616
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950524
Scheduled Compliance Date:	19931029
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20210623
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180117
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20180119
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160621
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160706
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040525
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20050131
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900419
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090528
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20090618
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000629
Evaluation Responsible Agency:	State

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900419
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930621
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040525
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20050131

Map ID
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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930621
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20191003
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040525
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20050131
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890707
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID
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EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Date: 20201116
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920422
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930613
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930622
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19941003
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20171219
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920422
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA

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EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930621
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20111028
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140617
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140618
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000113
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20000214
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930616
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20161108
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170131
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070515
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20191001
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070404
Evaluation Responsible Agency:	State

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EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180117
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20180119
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930616
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970818
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20010123
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030521
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	JSULL
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060629
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940509
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940620
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Date:	20150427
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151007
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960304
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960402
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930621
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931201
Scheduled Compliance Date:	19931105
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151013
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151209
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880802
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA

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Database(s)

EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150709
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140617
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140618
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930616
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900419
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19941003
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20210409
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150427
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151007
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20200128
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201016
Evaluation Responsible Agency:	State

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EDR ID Number
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DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040617
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20100413
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930616
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950524

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EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Scheduled Compliance Date:	19931029
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870723
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880802
Scheduled Compliance Date:	19871023
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20100210
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930616
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950524
Scheduled Compliance Date:	19931029
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Date: 19930616
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950524
Scheduled Compliance Date: 19931029
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19950502
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950524
Scheduled Compliance Date: 19950914
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940101
Evaluation Responsible Agency: EPA
Found Violation: No
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20181128
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20150427
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20151007
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930616
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910730
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911016
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920422
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930616
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20201116
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20210112
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID
 Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DOW CHEMICAL PITTSBURGH PLT (Continued)

1015757274

2020 COR ACTION:
 EPA ID: CAD076528678
 Region: 9
 Action: Remedy Construction

PADS:
 Name: DOW CHEMICAL PITTSBURGH PLT
 Address: END OF LOVERIDGE RD
 Address 2: Not reported
 City,State,Zip: PITTSBURGH, CA 94565
 EDR ID: 1015757274
 EPAID: CAD076528678
 Region: 09
 Generator: Y
 Storer: N
 Disposer: N
 Transporter: N
 Smelter: N
 Research Facility: N
 Mailing Address: PO BOX 1398
 Mailing Address 2: Not reported
 Mailing City: PITTSBURGH
 Mailing State: CA
 Mailing Zip: 94565
 Mailing Country: US
 Owner Name: THE DOW CHEMICAL CO
 Certification Date: 04/04/1990
 Contact Name: CAREY BRANNAN
 Contact Title: Not reported
 Contact Telephone: 415-432-5148
 Contact Text: Not reported
 Contact Email: Not reported

D21 US STEEL POSCO INDUSTRIES
NW 900 LOVERIDGE RD
1/2-1 PITTSBURG, CA 94565
0.550 mi.
2902 ft. Site 6 of 9 in cluster D
Relative:
Higher
Actual:
22 ft.

ENVIROSTOR S100184393
SWF/LF N/A
LUST
CPS-SLIC
AST
CERS HAZ WASTE
HIST UST
CERS TANKS
DEED
CHMIRS
LDS
Cortese
EMI
ENF
HIST CORTESE
HAZNET
NPDES
CIWQS
CERS
HWTS

ENVIROSTOR:
 Name: USS-POSCO INDUSTRIES
 Address: 900 LOVERIDGE RD

Map ID
 Direction
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 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

City,State,Zip: PITTSBURG, CA 945650000
 Facility ID: 80001609
 Status: Active
 Status Date: 04/30/2013
 Site Code: 520024
 Site Type: Corrective Action
 Site Type Detailed: Corrective Action
 Acres: 483
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: WM
 Program Manager: Whitney Smith
 Supervisor: Marikka Hughes
 Division Branch: Cleanup Berkeley
 Assembly: 15
 Senate: 9
 Special Program: Not reported
 Restricted Use: YES
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 38.02252
 Longitude: -121.8572
 APN: 073030007, 073030013, 073030018, 073030019, 073030020, 073030021,
 073030022, 073030023, 073200021, 073200022, 073200023, 073200024,
 073210008, 073210032
 Past Use: FOUNDRY, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, METAL FINISHING,
 UNDERGROUND STORAGE TANKS, WASTE WATER PONDS, FOUNDRY, MANUFACTURING
 - METAL, METAL FINISHING, RECYCLING - SCRAP METAL, UNDERGROUND
 STORAGE TANKS, WASTE - INDUSTRIAL TREATMENT FACILITY,
 Potential COC: Arsenic Benzene Lead Polychlorinated biphenyls (PCBs Polynuclear
 aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL
 Trichloroethylene (TCE Vinyl chloride Barium and compounds Cadmium
 and compounds Chromium III Cobalt Coke Oven Emissions Copper and
 compounds Iron Tin Vanadium and compounds Zinc Arsenic Benzene Lead
 Polynuclear aromatic hydrocarbons (PAHs TPH-diesel
 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Vinyl chloride
 Barium and compounds Carbon tetrachloride Cobalt 1,1-Dichloroethane
 1,1-Dichloroethylene 1,2-Dichloroethylene (cis Methyl ethyl ketone
 (2-Butanone Polynuclear aromatic hydrocarbons (PAHs 3
 Confirmed COC: Arsenic Benzene Lead Polynuclear aromatic hydrocarbons (PAHs
 TPH-diesel 30026-NO Barium and compounds Polynuclear aromatic
 hydrocarbons (PAHs 1,1-Dichloroethane 1,2-Dichloroethylene (cis
 Vanadium and compounds 30594-NO Methyl ethyl ketone (2-Butanone
 Carbon tetrachloride Trichloroethylene (TCE 1,1-Dichloroethylene
 Vinyl chloride Cobalt Arsenic Polynuclear aromatic hydrocarbons
 (PAHs Carbon tetrachloride Polychlorinated biphenyls (PCBs
 Trichloroethylene (TCE Lead Arsenic 30003-NO Lead 30548-NO 30019-NO
 TPH-diesel TPH-gas Barium and compounds 30108-NO Chromium III
 30155-NO 30156-NO 30587-NO
 Potential Description: OTH, SOIL, SV, IA, OTH, SOIL, SV, SURFW, UE, AQUI, CSS, IA, OTH,
 SOIL, SV
 Alias Name: UPI
 Alias Type: Alternate Name
 Alias Name: US STEEL PITTSBURG WORKS
 Alias Type: Alternate Name
 Alias Name: 073030007
 Alias Type: APN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Alias Name: 073030013
Alias Type: APN
Alias Name: 073030018
Alias Type: APN
Alias Name: 073030019
Alias Type: APN
Alias Name: 073030020
Alias Type: APN
Alias Name: 073030021
Alias Type: APN
Alias Name: 073030022
Alias Type: APN
Alias Name: 073030023
Alias Type: APN
Alias Name: 073200021
Alias Type: APN
Alias Name: 073200022
Alias Type: APN
Alias Name: 073200023
Alias Type: APN
Alias Name: 073200024
Alias Type: APN
Alias Name: 073210008
Alias Type: APN
Alias Name: 073210032
Alias Type: APN
Alias Name: CAD009150194
Alias Type: EPA Identification Number
Alias Name: L10005305018
Alias Type: GeoTracker Global ID
Alias Name: 200204
Alias Type: Project Code (Site Code)
Alias Name: 202060
Alias Type: Project Code (Site Code)
Alias Name: 202061
Alias Type: Project Code (Site Code)
Alias Name: 202062
Alias Type: Project Code (Site Code)
Alias Name: 202063
Alias Type: Project Code (Site Code)
Alias Name: 202064
Alias Type: Project Code (Site Code)
Alias Name: 202065
Alias Type: Project Code (Site Code)
Alias Name: 202205
Alias Type: Project Code (Site Code)
Alias Name: 202206
Alias Type: Project Code (Site Code)
Alias Name: 520024
Alias Type: Project Code (Site Code)
Alias Name: 07330015
Alias Type: Envirostor ID Number
Alias Name: 80001609
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Completed Document Type: Monitoring Plan
Completed Date: 03/18/2013
Comments: New monitoring program streamlines monitoring while also focusing on specific issues arising from long-term monitoring data.

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2005
Comments: Historical Document Uploaded

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 10/23/2014
Comments: Plan approved after four drafts were reviewed and modified. Work estimated to begin on November 3, 2014

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/13/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/15/2009
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/17/1980
Comments: Application entered FACility into the RCRA Hazardous Waste Management System

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: SWMUs 8, 6.1 and 35
Completed Document Type: RFI Workplan Addendum
Completed Date: 09/25/2013
Comments: Workplan seeks to generate groundwater data for risk assessment.

Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan Addendum
Completed Date: 02/05/2014
Comments: Workplan is appropriate for the task. RP directed to implement it on approval date.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/19/2013
Comments: Changes on the report deferred to 2015 Report to be prepared by ERM.

Completed Area Name: Site L-B

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/14/1998
Comments: Historical Document Uploaded

Completed Area Name: United Spiral Pipe Plant
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/26/2009
Comments: Report documents the finding, excavation and removal of 2000 cubic yards of soil and 600 cubic yards of fill contaminated above site cleanup levels

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 11/05/1993
Comments: Historical document uploaded.

Completed Area Name: United Spiral Pipe Plant
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 06/06/2007
Comments: The SMP was prepared because the building was to be constructed in an deed restricted area with a a history of land-based hazardous waste management.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/01/2014
Comments: Comments by GSU addressed by RP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/23/2018
Comments: The Plant-Wide Groundwater Monitoring Report documents data collected during the first half (January to June) of 2018. Sampling includes groundwater sampling for the plant-wide groundwater monitoring program and groundwater and soil vapor sampling for performance monitoring of the SWMU 4 remedies.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/23/2019
Comments: Not reported

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: SWMUs 8, 6.1 and 35
Completed Document Type: Public Notice
Completed Date: 05/29/2015
Comments: Public Notice Will be Published Friday June 5, 2015

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: SWMUs 8, 6.1 and 35

Map ID
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EDR ID Number
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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Completed Document Type: Fact Sheets
Completed Date: 05/29/2015
Comments: Fact Sheet to be mailed to the community on Monday June 1, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/16/2017
Comments: Not reported

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/15/2015
Comments: All observations, measurements and assessments within range of requirements.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 10/24/2014
Comments: Work Notice to be distributed by Monday October 27, 2014. Work will start by November 3, 2014.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 01/16/2020
Comments: Not reported

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Workplan
Completed Date: 09/21/2021
Comments: Not reported

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 04/01/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/15/2020
Comments: Progress report for first quarter 2020 for SWMUs 4.1, 4.2, and 22.1.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/14/2020
Comments: Progress report for second quarter 2020 for SWMUs 4.1, 4.2, and 22.1.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

Map ID
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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Completed Date: 10/15/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/15/2021
Comments: Quarterly progress report for Solid Waste Management Units 4.1, 4.2, and 22.1 per the Corrective Action Consent Agreement Amendment #1.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/15/2021
Comments: Not reported

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4.1 and 4.2
Completed Document Type: RFI Workplan
Completed Date: 05/31/2018
Comments: DTSC enforcement's Michael Pixton approved workplan for characterization of SWMU 4.1 (inside of Building A).

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4.1 and 4.2
Completed Document Type: Technical Workplan
Completed Date: 10/24/2018
Comments: Not reported

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1 and 6.2
Completed Document Type: Technical Workplan
Completed Date: 10/14/2020
Comments: Not reported

Completed Area Name: SWMU 22
Completed Sub Area Name: SWMU 22.1
Completed Document Type: Technical Workplan
Completed Date: 07/10/2018
Comments: Historical document. Workplan and subsequent implementation was performed before Corrective Action Consent Agreement Amendment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2018
Comments: DTSC oversight cost estimate letter for FY1819.

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 01/19/2017
Comments: Central Group O&M Agreement signed and delivered

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis

Map ID
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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Completed Date: 09/01/2002
Comments: Site Completed with LUC restricting use and requiring project-specific HASPs for construction worker protection and project specific SMPs

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 12/31/1993
Comments: Historical document uploaded.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Pre-HARP Form
Completed Date: 02/23/2016
Comments: Pre-HARP for SWMU 4 Site Visit scheduled 2/24/2016 and other dates TBD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2016
Comments: Not reported

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1, 6.2, 36
Completed Document Type: Fieldwork
Completed Date: 05/09/2019
Comments: Email confirmation that pilot study was completed in May 2019.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/24/2012
Comments: Schedules from 2011 to 2016. Split by year due to complexity of the project.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Fieldwork
Completed Date: 12/31/2013
Comments: Fieldwork completed

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/03/2010
Comments: Not reported

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/10/2013
Comments: Approved along with CMS workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
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Database(s)

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/19/2013
Comments: All surveys completed and significant stake holders identified.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/02/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 06/19/2018
Comments: Financial Assurance for UPI is in compliance as DTSC's Financial Assurance Unit found no violations in their review.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/25/2019
Comments: Annual LUC inspection report for a portion of Site L-A that was sold to Contra Costa Waste Services and Kirker Creek Business Park concludes that there were no violations.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4.1 and 4.2
Completed Document Type: RFI Report
Completed Date: 10/19/2020
Comments: Not reported

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 04/11/2011
Comments: All items present in the report.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 02/08/2012
Comments: Workplan calls for removal of UGST and associated piping. UGST contains petroleum hydrocarbon residues. Addresses all of our issues and the need for immediate removal of source of contamination.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 03/04/2013
Comments: Not reported

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 03/27/2014
Comments: Not reported

Map ID
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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 03/18/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Agreement Terminated Notification
Completed Date: 08/19/1999
Comments: DTSC Certifies Closure of all regulated units for the Facility.
Clarifies that Corrective Action at the Facility continues.

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 03/04/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 04/18/2000
Comments: Not reported

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 10/19/2015
Comments: SOB approves the remedy including soil excavation, groundwater extraction, soil vapor extraction, and insitu remediation.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/08/2015
Comments: Only a single comment received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedy Selected
Completed Date: 09/26/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 04/18/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/27/2017
Comments: Annual DTSC Oversight Cost Estimate

Completed Area Name: PROJECT WIDE

Map ID
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Distance
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Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/26/2012
Comments: Not reported

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: RFI Report
Completed Date: 06/01/2012
Comments: Work pending to begin

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1, 6.2, 36
Completed Document Type: Fieldwork
Completed Date: 12/01/2012
Comments: A second investigation is being proposed.

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1, 6.2, 36
Completed Document Type: RFI Report
Completed Date: 12/31/2013
Comments: Not reported

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1, 6.2, 36
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 03/28/2019
Comments: Not reported

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 11/30/2015
Comments: Not reported

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1, 6.2, 36
Completed Document Type: Technical Report
Completed Date: 09/12/2011
Comments: Not reported

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: SWMUs 8, 6.1 and 35
Completed Document Type: Corrective Measures Study Workplan Addendum
Completed Date: 08/08/2012
Comments: Workplan meets our requirements now. Will be implemented starting September 1, 2012.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Technical Report
Completed Date: 07/29/2011
Comments: Report approved with qualification on recommendations to replace approved VOC sample collection method with passive diffusion bottle collection. DTSC believes the RP needs more time to improve use of the method before we can approve replacement.

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US STEEL POSCO INDUSTRIES (Continued)

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Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 09/05/2013
Comments: Workplan approved including pilot study section

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: SWMUs 8, 6.1 and 35
Completed Document Type: Corrective Measures Study Report
Completed Date: 10/14/2015
Comments: Not reported

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Interim Measures Implementation Report
Completed Date: 09/13/2011
Comments: Tank removed, groundwater and soil sampled pumped and removed.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/08/2012
Comments: Report is complete and observations are compatible with requirements and specifications.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Fieldwork
Completed Date: 02/28/2010
Comments: Investigation completed, included a MIP investigation, the installation, development and samplinf of 13 additional wells, and the removal of a UGST found during well installation.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Corrective Measures Study Report
Completed Date: 10/24/2014
Comments: Technical Completion Approval. Final Approval pending public review.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Remedial Action Completion Report
Completed Date: 08/04/2017
Comments: SWMU 4 Construction Corrective Measures Completion Report documents the corrective measures construction activities completed to address soil and groundwater impacts identified for SWMU 4 and downgradient areas extending north to the Third Street property boundary. Corrective measures implementation includes targeted excavation, soil vapor extraction, groundwater extraction, treatment and disposal, and zero valent iron (ZVI) injections.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Interim Measures Workplan
Completed Date: 01/11/2011
Comments: Workplan calls for removal of UGST and associated piping. UGST contains petroleum hydrocarbon residues. Addresses all of our issues

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and the need for immediate removal of source of contamination.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Operation and Maintenance Plan
Completed Date: 10/16/2017
Comments: Not reported

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Monitoring Plan
Completed Date: 10/30/2011
Comments: Modification approved. Does not require permit modification because it is provided for in the permit.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/22/2011
Comments: Not reported

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Fieldwork
Completed Date: 12/12/2011
Comments: Fieldwork finished. RP preparing report.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Fact Sheets
Completed Date: 02/04/2015
Comments: Public Comment Period set for February 6 to March 23, 2015

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Public Notice
Completed Date: 02/04/2015
Comments: Public Notice set to be published on February 6, 2015

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Fieldwork
Completed Date: 12/15/2016
Comments: Fieldwork was finished up in mid-December - Kevin Stetter email

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1 and 6.2
Completed Document Type: Corrective Measures Study Report
Completed Date: 05/26/2020
Comments: Not reported

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1, 6.2, 36
Completed Document Type: RFI Workplan
Completed Date: 02/08/2012
Comments: Workplan scope covers our needs for groundwater characterization

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US STEEL POSCO INDUSTRIES (Continued)

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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/10/2014
Comments: Plan is satisfactory to DTSC project manager and geologist

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/06/2017
Comments: Not reported

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Other Report
Completed Date: 03/19/2002
Comments: Historical Document Uploaded

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 03/07/1995
Comments: Historical document uploaded.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Monitoring Report
Completed Date: 07/18/1999
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Technical Report
Completed Date: 08/04/2000
Comments: Historical document uploaded.

Completed Area Name: Main Site - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 01/28/1997
Comments: Historical Document Uploaded

Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/22/2011
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

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Completed Date: 12/30/2019
Comments: The Plant-Wide Groundwater Monitoring Report documents data collected during the first half (January to June) of 2019. Sampling includes groundwater sampling for the plant-wide groundwater monitoring program and groundwater and soil vapor sampling for performance monitoring of the SWMU 4 remedies.

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/30/1998
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/31/2008
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Other Report
Completed Date: 04/03/1997
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/06/1997
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/1995
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/16/1993
Comments: Historical document uploaded.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Other Report
Completed Date: 01/31/2007
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Monitoring Report
Completed Date: 01/29/1999
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)

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Completed Document Type: Other Report
Completed Date: 01/31/2001
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/31/1996
Comments: Historical document uploaded.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Operation and Maintenance Plan
Completed Date: 04/08/1994
Comments: Historical document uploaded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 06/11/2003
Comments: document uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 06/07/1999
Comments: Historical document uploaded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 08/03/2001
Comments: Historical document uploaded.

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2012
Comments: Historical Document Uploaded

Completed Area Name: Main Site - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 03/29/2002
Comments: Historical Document Uploaded

Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 10/23/2014
Comments: Not reported

Completed Area Name: Main Site - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/17/2002
Comments: historical document uploaded

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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/08/2000
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/15/1996
Comments: Historical document uploaded.

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/12/1996
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2011
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/31/2014
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Other Report
Completed Date: 01/29/1999
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2007
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2000
Comments: Historical Document Uploaded

Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 07/03/2003
Comments: Historical Document Uploaded

Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

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US STEEL POSCO INDUSTRIES (Continued)

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Completed Date: 12/02/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2003
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2004
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Monitoring Report
Completed Date: 10/31/1995
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 03/31/2005
Comments: Historical Document Uploaded

Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/29/2018
Comments: The report documents the third quarter performance monitoring results for corrective measures activities completed at SWMU 4 and downgradient areas extending north to the Third Street property boundary. Activities include sampling from the groundwater extraction treatment system and soil vapor extraction system, and groundwater sampling from the Source Area, Mid-Plume Hot Spot Treatment Area and the Linear Reactive Boundary Treatment Area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 03/01/2004
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2000
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/08/1997
Comments: Historical Document Uploaded

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Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/20/2018
Comments: The report documents the fourth quarter performance monitoring and the first annual evaluation results for corrective measures activities completed at SWMU 4 and downgradient areas extending north to the Third Street property boundary. Activities include sampling from the groundwater extraction treatment system and soil vapor extraction system, and groundwater sampling from the Source Area, Mid-Plume Hot Spot Treatment Area and the Linear Reactive Boundary Treatment Area. Data from the first year of performance monitoring were evaluated and compared to the cleanup goals.

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/23/2006
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/15/1996
Comments: Historical document uploaded.

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/1995
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/18/2008
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/23/2002
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/19/2007
Comments: historical upload

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 01/22/2018
Comments: The 2018 Site L-A LUC Annual Inspection Report (Report), dated January 15, 2018, was prepared in accordance with the Covenant to Restrict Use of Property, entered at the Contra Costa County Recorder

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s Office on July 1, 2010 as DOC-2010-0132574-00. The Report includes the dates, times, names of inspectors, and detailed observations by the inspectors. The Report concludes that there were no issues in 2017.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 05/22/2001
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/30/2004
Comments: Historical document uploaded.

Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/24/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 01/30/2019
Comments: USS POSCO Industries conducted the annual Site L-A inspection and did not find any violations. A portion of Site L-A was sold in 2018 and the annual site inspection report for those properties will be submitted by the new owner under separate cover.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 01/23/2020
Comments: Not reported

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/05/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 09/26/2002
Comments: Soils only

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/30/1994
Comments: RFA Completed

Completed Area Name: PROJECT WIDE

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Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/05/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Historical Operating Permit Authority
Completed Date: 06/29/1995
Comments: Not reported

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/30/2010
Comments: Document signed and sent to county on June 30, 2010. document recorded on July 1, 2010

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 11/01/2002
Comments: Project Approved, Notice of Determination filed November 2002.

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: SWMUs 8, 6.1 and 35
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 08/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 08/18/1999
Comments: Remedy Selectin documents for SWMU 25 (Site LB). Laki 1/14/09

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 01/30/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/27/2009
Comments: Schedule and Estimate 2009-2010

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: SWMUs 8, 6.1 and 35
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/20/2015
Comments: Neg Dec finalized for Central SWMU Remedies. No impacts identified.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

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Completed Date: 10/10/2011
Comments: Estimate and schedule prepared and reviewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 11/01/2002
Comments: Permit governs management of a Corrective Action Land Disposal unit (CAMU#1)

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: RFI Workplan
Completed Date: 12/21/2009
Comments: Approved by phone and e-mail due to the need of doing the work before the rains.

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: RFI Report
Completed Date: 03/14/2011
Comments: Not reported

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/30/2010
Comments: We agreed to allow abandonment of all wells but those currently monitoring the intermediate zone.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/22/2008
Comments: Not reported

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/03/2010
Comments: Report is complete reports no irregularities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/06/2002
Comments: Fact Sheet describes proposed site-wide remedy and Post-Closure Permit for CAMU.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/30/2010
Comments: We agreed to allow abandonment of all wells but those currently monitoring the intermediate zone.

Completed Area Name: PROJECT WIDE

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US STEEL POSCO INDUSTRIES (Continued)

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Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/03/2010
Comments: Report is complete reports no irregularities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2011
Comments: All trends continue within ranges of normalcy. The report format meets all requirements.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/24/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2013
Comments: Report admitted with no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/27/2015
Comments: All results within allowable range and all recommendations accepted

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1, 6.2, 36
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 12/11/2018
Comments: Workplan to install air sparge technology in the shallow and intermediate groundwater zone to assess the effectiveness of air sparging on oxidizing As (III) and TPH.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/25/2014
Comments: Change pages accepted and review completed 6/25/2014

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 01/04/2012
Comments: Not reported

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 10/24/2014
Comments: Plan approved after four drafts were reviewed and modified. Work estimated to begin on November 3, 2014

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US STEEL POSCO INDUSTRIES (Continued)

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Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1 and 6.2
Completed Document Type: Public Notice
Completed Date: 10/27/2020
Comments: Public comment period between 10/27/2020-12-15-2020.

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: SWMUs 8, 6.1 and 35
Completed Document Type: Operation and Maintenance Plan
Completed Date: 05/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/10/2015
Comments: Not reported

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/17/2017
Comments: Site L-A 2017 Annual LUC Report. The site was monitored in 2016 in accordance with the LUC with no issues.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/29/2016
Comments: Not reported

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Monitoring Report
Completed Date: 06/26/2000
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/16/1999
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/27/1996
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2006
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

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Completed Document Type: Corrective Measures Study Report
Completed Date: 03/03/2005
Comments: Not reported

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/24/2003
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/1994
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/30/1997
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Monitoring Report
Completed Date: 12/10/1997
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/26/2010
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/12/1995
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 03/07/1995
Comments: historical document uploaded

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/20/2010
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/27/2017
Comments: Approval of first 2016 semiannual groundwater monitoring report. This

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

semiannual data transmittal memorandum summarizes data collected during the First and Second Quarters 2016 and includes comprehensive data summary tables for both quarters, as well as figures presenting First Quarter 2016 data.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Other Report
Completed Date: 01/28/2000
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/16/2001
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/12/2001
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/31/1996
Comments: Historical document uploaded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 10/23/1995
Comments: Historical document uploaded.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Monitoring Report
Completed Date: 02/25/2000
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2005
Comments: Historical Document Uploaded

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1 and 6.2
Completed Document Type: Fact Sheets
Completed Date: 10/27/2020
Comments: Public comment period between 10/27/2020-12/15/2020.

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/21/2008

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/28/2011
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/1997
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/15/2009
Comments: Historical Document Uploaded

Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/15/2010
Comments: .

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/31/2009
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/26/1996
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Monitoring Report
Completed Date: 05/16/1997
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/24/2001
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Technical Report
Completed Date: 05/14/2002
Comments: Historical Document Uploaded

Completed Area Name: Site L-B

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US STEEL POSCO INDUSTRIES (Continued)

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Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2001
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/30/2004
Comments: Historical Document Uploaded

Completed Area Name: Main Site - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 08/02/2000
Comments: Historical document uploaded.

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/24/2007
Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/31/1996
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/31/2006
Comments: Historical Document Uploaded

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: SWMUs 8, 6.1 and 35
Completed Document Type: Corrective Measures Study Report
Completed Date: 04/22/2014
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/28/1999
Comments: Historical document uploaded.

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Other Report
Completed Date: 11/14/1999
Comments: Historical document uploaded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2001

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Comments: Historical Document Uploaded

Completed Area Name: Site L-B
Completed Sub Area Name: Unit 1 Landfill (CAMU)
Completed Document Type: Monitoring Report
Completed Date: 01/13/2003
Comments: Historical Document Uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 09/21/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/08/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 11/08/2019
Comments: CACA amendment to add SWMU 4.1, 4.2, and 22.1.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/16/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/10/2021
Comments: Not reported

Completed Area Name: SWMU 22
Completed Sub Area Name: ETL#2
Completed Document Type: Correspondence
Completed Date: 03/04/2021
Comments: DTSC concurs that investigation of potential groundwater and soil impacts from ETL#2 can be deferred until after building demolition occurs.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/15/2021
Comments: Call schedule with RWQCB Caseworker 11/24 to review the case. Email response was reviewed by UC prior to final response 12/15.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/15/2020

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Comments: Progress report for fourth quarter 2019 for SWMUs 4.1, 4.2, and 22.1.

Completed Area Name: Central Group (SWMUs 8, 6.1 and 35) -202061
Completed Sub Area Name: SWMUs 8, 6.1 and 35
Completed Document Type: Fieldwork
Completed Date: 11/15/2012
Comments: behind schedule but complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 05/05/2009
Comments: letter and memorandum from GSU completed and mailed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 08/11/1998
Comments: RFI Report Approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/18/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/01/1986
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/10/2002
Comments: Fact Sheet/Statement of Basis for Units 3, 17.1 and 24. Laki 1/14/09

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/03/2005
Comments: Approval of Completion Report for Partial soils Corrective Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 07/29/2003
Comments: Soils only

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: Risk Assessment Report
Completed Date: 01/14/2011
Comments: Health Risk Component deemed adequate by HERD. Approved by project manager.

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US STEEL POSCO INDUSTRIES (Continued)

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Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Soils Management Plan
Completed Date: 11/23/2009
Comments: email (Nov. 23, 2009) sent to facility approving SMP and HSP dated November 10, 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/31/2007
Comments: Groundwater Monitoring Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/28/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/18/1999
Comments: Fact Sheet for Remedy Selection - SWMU 25 (Site LB). Laki 1/14/09

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 06/06/2002
Comments: Post Closure Technical Complete. Laki 1/20/09

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 07/03/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/01/1985
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 12/29/1999
Comments: CMS Workplan Approved

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1, 6.2, 36
Completed Document Type: RFI Workplan
Completed Date: 12/21/2009
Comments: Approved by phone and e-mail first due to need to go in the field before the rain.

Completed Area Name: PROJECT WIDE

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US STEEL POSCO INDUSTRIES (Continued)

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Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Study Report
Completed Date: 09/26/2002
Comments: Soils only

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/26/2010
Comments: certification sent to facility for completion of remedy

Completed Area Name: SWMU 4
Completed Sub Area Name: SWMU 4
Completed Document Type: RFI Workplan Addendum
Completed Date: 06/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/05/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/17/2017
Comments: Conditional approval of the 2016 Annual GWMR that documents groundwater level measurements at 89 monitoring wells and groundwater analytical results from 80 monitoring wells. Additionally, the report includes a MNA and statistical evaluation of the Central Group SWMUs (SWMU 6.1, 8, 35) in accordance with the Central Group O&M Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/20/2018
Comments: The 2017 Annual GWMR documents groundwater level measurements at 89 monitoring wells and groundwater analytical results from 80 monitoring wells. Additionally, the report includes a MNA and statistical evaluation of the Central Group SWMUs (SWMU 6.1, 8, 35) in accordance with the Central Group O&M Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/02/2020
Comments: Conditional approval for GWMP. Minor comment regarding number of developed wells.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/25/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE

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US STEEL POSCO INDUSTRIES (Continued)

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Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/05/2015
Comments: Not reported

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/29/2010
Comments: Historical Document Uploaded

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/16/2016
Comments: Not reported

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1, 6.2, 36
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 01/25/2016
Comments: Not reported

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1, 6.2, 36
Completed Document Type: Fieldwork
Completed Date: 03/10/2017
Comments: Not reported

Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/24/2017
Comments: The report documents the baseline and first quarter performance monitoring results for corrective measures activities completed at SWMU 4 and downgradient areas extending north to the Third Street property boundary. Activities include sampling from the groundwater extraction treatment system and soil vapor extraction system, and groundwater sampling from the Source Area, Mid-Plume Hot Spot Treatment Area and the Linear Reactive Boundary Treatment Area.

Completed Area Name: SWMU 4
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/03/2017
Comments: The report documents the second quarter performance monitoring results for corrective measures activities completed at SWMU 4 and downgradient areas extending north to the Third Street property boundary. Activities include sampling from the groundwater extraction treatment system and soil vapor extraction system, and groundwater sampling from the Source Area, Mid-Plume Hot Spot Treatment Area and the Linear Reactive Boundary Treatment Area.

Completed Area Name: Site L-B
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/20/1994

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Comments: Historical document uploaded.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/01/2015
Comments: Activity undertaken without major issues. More than 5000 cubic yards of contaminated soil removed.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/08/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2002
Comments: Historical Document Uploaded

Completed Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Completed Sub Area Name: SWMUs 1 and 6.2
Completed Document Type: OPEA Consultation
Completed Date: 12/01/2019
Comments: Discussed with OPEA and concluded an NOE is applicable.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 02/21/2019
Comments: Executed FICA with Kirker Creek Business Park for APN 073-200-028.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 02/21/2019
Comments: Executed FICA with Contra Costa Waste Services for APNs: 073-200-026, 073-200-027 and 073-200-029.

Completed Area Name: Site L-A
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/15/2018
Comments: Letter received indicating portions of Site L-A has been sold to new owners. The new owners will submit an annual LUC inspection report for their respective properties.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/30/2020
Comments: Cost estimate letters given to UPI and CCWS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Completed Date: 09/26/2019
Comments: Not reported

Future Area Name: SWMU 22
Future Sub Area Name: SWMU 22.1
Future Document Type: Remedy Selection and Statement of Basis
Future Due Date: 2024
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedy Construction Complete
Future Due Date: 2025
Future Area Name: SWMU 22
Future Sub Area Name: SWMU 22.1
Future Document Type: Corrective Measures Study Report
Future Due Date: 2024
Schedule Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Schedule Sub Area Name: SWMUs 1 and 6.2
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 07/01/2022
Schedule Revised Date: 10/26/2024
Schedule Area Name: SWMU 4
Schedule Sub Area Name: SWMU 4.1 and 4.2
Schedule Document Type: Corrective Measures Study Report
Schedule Due Date: 10/01/2022
Schedule Revised Date: 04/30/2023
Schedule Area Name: Northern Boundary Group (SWMUs 1, 6.2 and 36)
Schedule Sub Area Name: SWMUs 1 and 6.2
Schedule Document Type: Remedy Selection and Statement of Basis
Schedule Due Date: 01/31/2023
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 07/01/2021
Schedule Revised Date: 01/28/2023
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Land Use Restriction
Schedule Due Date: 07/01/2020
Schedule Revised Date: 01/28/2023
Schedule Area Name: SWMU 4
Schedule Sub Area Name: SWMU 4.1 and 4.2
Schedule Document Type: Remedy Selection and Statement of Basis
Schedule Due Date: 11/28/2022
Schedule Revised Date: 08/26/2024

Name: US STEEL PITTSBURG WORKS
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Facility ID: 7330015
Status: Refer: RCRA
Status Date: 12/09/2002
Site Code: 200366
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 460
NPL: NO

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Daniel Murphy
Division Branch: Cleanup Berkeley
Assembly: 15
Senate: 9
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.02085
Longitude: -121.8512
APN: NONE SPECIFIED
Past Use: MANUFACTURING - METAL, METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC: Arsenic Lead Polychlorinated biphenyls (PCBs Trichloroethylene (TCE
Copper and compounds Nickel
Confirmed COC: 300 013 001 330 018 000 000 000 000 000
Potential Description: SOIL
Alias Name: Not reported
Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWF/LF (SWIS):

Name: USS-POSCO INDUSTRIES WASTE MGMT UNIT II
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Region: STATE
Facility ID: 07-AC-0042
SWIS Number: 07-AC-0042
Point of Contact: Harprit Mattu
Is Archived: No
Is Closed Illegal Abandoned: Yes
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Operational Status: Active
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
ARB District: Bay Area

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US STEEL POSCO INDUSTRIES (Continued)

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SWRCB Region: San Francisco Bay
Local Government: Pittsburg
Reporting Agency Legal Name: City of Pittsburg
Reporting Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Enforcing Agency Legal Name: City of Pittsburg
Enforcing Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Regulation Status: Exempt

Activity:

SWIS Number: 07-AC-0042
Site Name: USS-Posco Industries Waste Mgmt Unit II
Activity: Solid Waste Landfill
Activity Is Archived: No
Category: Disposal
Activity Classification: Solid Waste Facility
WDR Number: Not reported
WDR Landfill Class: I
Cease Operation: 1/1/2118
Cease Operation Type: Estimated
Inspection Frequency: Quarterly
Throughput: 8
Throughput Units: Tons per day
Remaining Capacity: Not reported
Remaining Capacity Date: Not reported
Capacity: 86000
Capacity Units: Cubic Yards
Total Acreage: 7
Disposal Acreage: 7
Permitted Elevation: 45
Permitted Elevation Type: MSL
Permitted Depth: 28
Permitted Depth Type: MSL
Point of Contact: Harprit Mattu
Site Operational Status: Active
Site Regulatory Status: Exempt
Site Is Archived: No
Is Closed Illegal Abandoned: Yes
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
County: Contra Costa
ARB District: Bay Area
SWRCB Region: San Francisco Bay
Local Government: Pittsburg
Street Address: 900 Loveridge Rd
City: Pittsburg
State: CA
ZIP Code: 94565
Reporting Agency Legal Name: City of Pittsburg
Reporting Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Enforcing Agency Legal Name: City of Pittsburg
Enforcing Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency

Owner:

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

SWIS Number: 07-AC-0042
Owner: US Steel - Posco Industries
Owner Address: 900 Loveridge Rd
Owner City: Pittsburg
Owner State: CA
Owner Zip: 94565
Site Name: USS-Posco Industries Waste Mgmt Unit II
Site Operational Status: Active
Site Type: Disposal Only
Site Regulatory Status: Exempt
Latitude: 38.02633
Longitude: -121.86496
Is Archived: No
Started On: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: (925) 439-6316

Waste:

SWIS Number: 07-AC-0042
Site Name: USS-Posco Industries Waste Mgmt Unit II
Activity: Solid Waste Landfill
Waste Type: Contaminated soil
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Exempt
Site Type: Disposal Only
Point of Contact: Harprit Mattu
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Exempt
Activity Category: Disposal
Activity Classification: Solid Waste Facility

SWIS Number: 07-AC-0042
Site Name: USS-Posco Industries Waste Mgmt Unit II
Activity: Solid Waste Landfill
Waste Type: Inert
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Exempt
Site Type: Disposal Only
Point of Contact: Harprit Mattu
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Exempt
Activity Category: Disposal
Activity Classification: Solid Waste Facility

LUST:

Name: US STEEL POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0601300344
Global Id: T0601300344
Latitude: 38.0206813
Longitude: -121.8567426
Status: Completed - Case Closed
Status Date: 01/18/2001
Case Worker: Not reported
RB Case Number: 07-0371
Local Agency: CONTRA COSTA COUNTY
File Location: Not reported
Local Case Number: 12263
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
EPA Region: 9
Coordinate Source: Google Geocode
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 02/28/1986
Leak Reported Date: 09/16/1987
How Discovered: Tank Closure
How Discovered Description: Not reported
Discharge Source: Tank
Discharge Cause: Physc / Mech Damage
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: 01/18/2001
CA Water Watershed Name: Suisun - Concord - Pittsburg - In Delta (207.34)
Dwr Groundwater Subbasin Name: Pittsburg Plain (2-004)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 76-80%
CA Enviroscreen 4 Score: 80-85%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Site History: Not reported

LUST:

Global Id: T0601300344
Contact Type: Local Agency Caseworker
Contact Name: SUE LOYD
Organization Name: CONTRA COSTA COUNTY
Address: 4333 PACHECO BLVD.
City: MARTINEZ
Email: sloyd@hsd.co.contra-costa.ca.us
Phone Number: Not reported

LUST:

Global Id: T0601300344
Action Type: ENFORCEMENT
Date: 01/18/2001
Action: Closure/No Further Action Letter

Global Id: T0601300344
Action Type: ENFORCEMENT
Date: 01/18/2001
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Map ID
Direction
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Global Id: T0601300344
Action Type: ENFORCEMENT
Date: 05/12/2000
Action: Notice to Comply

Global Id: T0601300344
Action Type: Other
Date: 02/28/1986
Action: Leak Discovery

Global Id: T0601300344
Action Type: Other
Date: 02/28/1986
Action: Leak Stopped

Global Id: T0601300344
Action Type: Other
Date: 09/16/1987
Action: Leak Reported

LUST:

Global Id: T0601300344
Status: Open - Case Begin Date
Status Date: 02/28/1986

Global Id: T0601300344
Status: Open - Site Assessment
Status Date: 07/28/1994

Global Id: T0601300344
Status: Completed - Case Closed
Status Date: 01/18/2001

LUST REG 2:

Region: 2
Facility Id: 07-0371
Facility Status: Case Closed
Case Number: 12263
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 7/28/1994
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

CPS-SLIC:

Name: US STEEL POSCO - PITTSBURG
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
Region: STATE

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Facility Status: Completed - Case Closed
Status Date: 05/04/2009
Global Id: SL20208826
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 38.0225688202421
Longitude: -121.857198870331
Case Type: Cleanup Program Site
Case Worker: UUU
Local Agency: Not reported
RB Case Number: SL20208826
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
EPA Region: 9
Coordinate Source: Google Map Move
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 08/01/1993
Leak Reported Date: Not reported
How Discovered: Not reported
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: 05/04/2009
CA Water Watershed Name: Suisun - Concord - Pittsburg - In Delta (207.34)
Dwr Groundwater Subbasin Name: Pittsburg Plain (2-004)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 56-60%
CA Enviroscreen 4 Score: 80-85%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

AST:

Name: PSC INDUSTRIAL OUTSOURCING PITTSBURG
Address: 900 LOVERIDGE RD
City/Zip: PITTSBURG,94565
Certified Unified Program Agencies: Not reported
Owner: PSC Industrial Outsourcing LP
Total Gallons: Not reported
CERSID: 10202377
Facility ID: 07-000-773959
Business Name: PSC Industrial Outsourcing, LP
Phone: 9252529771
Fax: 9252529736
Mailing Address: 900 Loveridge Road
Mailing Address City: Pittsburg
Mailing Address State: CA
Mailing Address Zip Code: 94565
Operator Name: Patrick Curione
Operator Phone: 9252529771

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MAP FINDINGS

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Database(s)

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Owner Phone: 7138580768
Owner Mail Address: 5151 San Felipe Ste.1600
Owner State: TX
Owner Zip Code: 77056
Owner Country: United States
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

CERS HAZ WASTE:

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 62677
CERS ID: 10012960
CERS Description: Hazardous Waste Generator

HIST UST:

Name: PITTSBURG WORKS
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
File Number: 00023064
URL: <https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00023064.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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US STEEL POSCO INDUSTRIES (Continued)

S100184393

[Click here for Geo Tracker PDF:](#)

CERS TANKS:

Name: PSC INDUSTRIAL OUTSOURCING PITTSBURG
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 399999
CERS ID: 10202377
CERS Description: Aboveground Petroleum Storage

DEED:

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 945650000
Envirostor ID: 80001609
Area: SITE L-A
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 945650000
Envirostor ID: 80001609
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: CORRECTIVE ACTION
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CHMIRS:

Name: Not reported
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA
OES Incident Number: 20-0982
OES notification: 02/19/2020
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency Personel # Of Decontaminated: Not reported

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EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Industrial Plant
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Type: SEWAGE
Measure: Gal(s)
Other: Not reported
Date/Time: 900
Year: 2020
Agency: USS-Posco Industries
Incident Date: 02/19/2020
Admin Agency: Contra Costa County Health Services Department
Amount: Not reported
Contained: Not stopped, Contained
Site Type: Not reported
E Date: Not reported
Substance: Sewage
Quantity Released: 10,000-12,000
Unknown: Not reported
Substance #2: Not reported
Substance #3: Not reported
Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
#1 Pipeline: No
#2 Pipeline: No
#3 Pipeline: No
#1 Vessel >= 300 Tons: No
#2 Vessel >= 300 Tons: No
#3 Vessel >= 300 Tons: No
Evacs: No
Injuries: No
Fataals: No
Comments: Not reported
Description: RP advised that a maintenance personnel found a leak in a 10 inch sewage pipe, causing the release of 10,000-12,000 gallons of Sewage onto the surrounding dirt area, the release was

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MAP FINDINGS

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Database(s)

EDR ID Number
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US STEEL POSCO INDUSTRIES (Continued)

S100184393

contained in a dirt hole. No waterways were impacted. Be advised that the release is ongoing at this time.

Name:	Not reported
Address:	900 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	20-0709
OES notification:	02/04/2020
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	On Site Personnel
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	SEWAGE
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1540
Year:	2020
Agency:	USS Posco
Incident Date:	02/04/2020
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Not stopped, Contained
Site Type:	Not reported
E Date:	Not reported

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Database(s)

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 EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Substance:	Sewage
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per the caller a broken pipe caused the leak. The area was dug up earlier and there was no leak and today there is a leak.

Name:	Not reported
Address:	900 LOVERIDGE RD
City,State,Zip:	PITTSBURG, CA 94565
OES Incident Number:	20-0505
OES notification:	01/24/2020
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	SEWAGE
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1430
Year:	2020
Agency:	USS Posco
Incident Date:	01/24/2020
Admin Agency:	Contra Costa County Health Services Department
Amount:	Not reported
Contained:	Not stopped,Not contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Sewage
Quantity Released:	1000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per caller, it was discovered that there was a leak from a sewage line. Sewage is leaking onto the ground around the area of the leak. Not stopped not contained. On site personnel and contractor will be conducting repair and clean up. No water impacted.

LDS:

Name:	USS-POSCO, WMU II
Address:	900 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA 94565
Global Id:	L10008749441
Latitude:	38.02495
Longitude:	-121.8596
Case Type:	Land Disposal Site
Status:	Open - Operating
Status Date:	06/19/2019
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Caseworker:	AJK
Local Agency:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

RB Case Number: 2071059003
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil, Surface water
EDR Link ID: L10008749441
Potential Contaminants of Concern: Other Acid or Corrosive, Other Chlorinated Hydrocarbons, Arsenic, Chromium, Other Metal, Waste Oil / Motor / Hydraulic / Lubricating
EPA Region: 9
Coordinate Source: Google Map Move
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 01/01/1981
Leak Reported Date: Not reported
How Discovered: Not reported
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: Not reported
CA Water Watershed Name: Suisun - Concord - Pittsburg - In Delta (207.34)
Dwr Groundwater Subbasin Name: Pittsburg Plain (2-004)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 76-80%
CA Enviroscreen 4 Score: 80-85%
Military DOD Site: No
Facility Project Subtype: Title 27 - Municipal Solid Waste Landfill
RWQCB Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Site History: The Site comprises approximately 460 acres situated along the southern shore of New York Slough, east of Suisun Bay on the north side of the City of Pittsburg. Steel manufacturing and finishing operations have occurred at the Site since 1909.

[Click here to access the California GeoTracker records for this facility:](#)

CORTESE:

Name: US STEEL POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0601300344
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported

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Database(s)

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EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

EMI:

Name: USS-UPI LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2020
County Code: 7
Air Basin: SF
Facility ID: 25055
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7.170687113
Reactive Organic Gases Tons/Yr: 6.1568759221
Carbon Monoxide Emissions Tons/Yr: 11.33794932
NOX - Oxides of Nitrogen Tons/Yr: 41.249609614
SOX - Oxides of Sulphur Tons/Yr: 0.183600072
Particulate Matter Tons/Yr: 12.901563271
Part. Matter 10 Micrometers and Smlr Tons/Yr:8.526354915

ENF:

Name: USS POSCO INDUSTRIES - AGT
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Region: 2
Facility Id: 271903
Agency Name: USS-POSCO
Place Type: Facility
Place Subtype: Not reported
Facility Type: Not reported
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported

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MAP FINDINGS

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EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	2 071059002
Reg Measure Id:	167039
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	225036
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	07/01/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/01/1999
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 2 071059002
Description:	Not reported
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0

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Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Name: USS POSCO INDUSTRIES - TANKS
Address: 900 LOVERIDGE
City,State,Zip: PITTSBURG, CA 94565
Region: 2
Facility Id: 269480
Agency Name: US Steel Posco Industries
Place Type: Facility
Place Subtype: Not reported
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 38.023328
Place Longitude: -121.855649
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: UST
Program Category1: TANKS
Program Category2: TANKS
Of Programs: 1
WDID: 2 07-0371
Reg Measure Id: 168626
Reg Measure Type: Unregulated
Region: 2
Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: Not reported
Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: Not reported
Status: Historical

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US STEEL POSCO INDUSTRIES (Continued)

S100184393

Status Date: 06/17/2005
Effective Date: Not reported
Expiration/Review Date: Not reported
Termination Date: Not reported
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: Not reported
Fee Code: Not reported
Direction/Voice: Passive
Enforcement Id(EID): 236623
Region: 2
Order / Resolution Number: UNKNOWN
Enforcement Action Type: 13267 Letter
Effective Date: 05/12/2000
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: Not reported
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 2 07-0371
Description: Not reported
Program: UST
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

HIST CORTESE:

edr_fname: US STEEL POSCO INDUSTRIES
edr_fadd1: 900 LOVERIDGE
City,State,Zip: PITTSBURG, CA 94565
Region: CORTESE
Facility County Code: 7
Reg By: LTNKA
Reg Id: 07-0371

edr_fname: ULTRAMAR 556
edr_fadd1: 900 LOVERIDGE
City,State,Zip: PITTSBURG, CA 94565
Region: CORTESE
Facility County Code: 7
Reg By: LTNKA
Reg Id: 2371

HAZNET:

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Name: HOUGHTON INTL. INC.
Address: 900 LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 945652808
Contact: SHAINA EDGE
Telephone: 9254329371
Mailing Name: Not reported
Mailing Address: 901 E HECTOR ST

Year: 2020
Gepaid: CAC003057752
TSD EPA ID: CAD059494310
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Tons: 5.115

Additional Info:

Year: 2020
Gen EPA ID: CAC003057752

Shipment Date: 5/22/2020
Creation Date: 6/11/2020
Receipt Date: 5/22/2020
Manifest ID: 021542984JJK
Trans EPA ID: CAR000070540
Trans Name: Advanced Chemical Transport Inc. DBA Actenviro
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAD059494310
Trans Name: Clean Harbors San Jose LLC
TSD EPA ID: Not reported
TSD EPA Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 5.115
Waste Quantity: 1550
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

NPDES:

Name: SITE L A STOCKPILE
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 99999
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Place ID: Not reported
Order Number: Not reported
WDID: 2 07C357884
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 04/24/2017
Operator Name: USS POSCO Industries
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

NPDES as of 03/2018:

NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 2
Regulatory Measure ID: 402932
Order Number: Not reported
Regulatory Measure Type: Construction
Place ID: Not reported
WDID: 2 07C357884
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 04/12/2017
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 04/06/2010
Processed Date: 04/14/2010
Status: Terminated
Status Date: 04/24/2017
Place Size: 7
Place Size Unit: Acres
Contact: Dave Allen
Contact Title: Owner Rep
Contact Phone: 925-439-6290
Contact Phone Ext: Not reported
Contact Email: dallen@ussposco.com
Operator Name: USS POSCO Industries
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Private Individual
Developer: USS Posco Industries
Developer Address: 900 Loveridge Rd
Developer City: Pittsburg
Developer State: California
Developer Zip: 94565-2808
Developer Contact: Dave Allen
Developer Contact Title: Owner Representative
Constype Linear Utility Ind: N
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Y
Constype Other Description: Stockpile
Constype Other Ind: Y
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: N
Receiving Water Name: Not reported
Certifier: Freddy Ripoli
Certifier Title: Owner's Representative
Certification Date: 14-FEB-14
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

NPDES Number: CAS000002
Status: Terminated
Agency Number: 0
Region: 2
Regulatory Measure ID: 402932
Order Number: 2009-0009-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 2 07C357884
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 04/14/2010
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 04/12/2017
Discharge Name: USS POSCO Industries
Discharge Address: PO Box 473 MS67

Map ID
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Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Discharge City:	Pittsburg
Discharge State:	California
Discharge Zip:	94565
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:

Name: SITE L A STOCKPILE
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 99999
Agency: USS POSCO Industries
Agency Address: PO Box 473 MS67, Pittsburg, CA 94565
Place/Project Type: Construction - Industrial, Other: Stockpile
SIC/NAICS: Not reported
Region: 2
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 2 07C357884
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 04/14/2010
Termination Date: 04/12/2017
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.018735
Longitude: -121.85755

CERS:

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 62677
CERS ID: 10012960
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 62677
Site Name: ROLL TECHNOLOGY WEST
Violation Date: 06-30-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 07/05/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-05-2021
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-05-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-06-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-30-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-07-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Eval Program: HW
Eval Source: CERS,

Enforcement Action:

Site ID: 62677
Site Name: ROLL TECHNOLOGY WEST
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-30-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: James R. Goehring
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JAMES GOEHRING
Entity Title: Not reported
Affiliation Address: PO BOX 472
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565-0047
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Chrome Deposit Corp.
Entity Title: Not reported
Affiliation Address: 6640 Melton Road
Affiliation City: Portage
Affiliation State: IN
Affiliation Country: United States
Affiliation Zip: 46368
Affiliation Phone: (219) 763-1571,

Affiliation Type Desc: Parent Corporation
Entity Name: Roll Technology West
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: UPI Industries
Entity Title: Not reported
Affiliation Address: P.O. Box 471
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94565
Affiliation Phone: (800) 877-7672,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 472
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: James R. Goehring
Entity Title: Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Roll Technology West
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 432-4507,

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 945650000
Site ID: 610673

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

CERS ID: CAD009150194
CERS Description: Hazardous Waste

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2014
Violations Found: No
Eval Type: DTSC Focused Compliance Inspection
Eval Notes: Focused Compliance Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 07-08-2010
Violations Found: Yes
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure Return To Compliance:
2010-09-09 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-28-2013
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure Return To Compliance:
2013-03-01 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-16-1999
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 04-12-2013
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2010
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-05-2017
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure Return To Compliance:
2017-08-07 00:00:00

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 06-29-2017
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 01-12-2005
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-10-2020
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure Return To Compliance:
2020-03-27 00:00:00

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Case Development Inspection
Eval Date: 03-26-2018
Violations Found: Yes
Eval Type: DTSC Case Development Inspection
Eval Notes: Case Development Inspection - Post-Closure Return To Compliance:
2019-11-06 00:00:00

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 04-10-2020
Violations Found: Yes
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure Return To Compliance:
2020-06-03 00:00:00

Eval Division: Department of Toxic Substances Control

Map ID
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Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2003
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Initiative
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2004
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Enforcement Action:

Site ID: 610673
Site Name: USS-POSCO INDUSTRIES
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 945650000
Enf Action Date: 12-12-2019
Enf Action Type: Final Civil / Judicial Action
Enf Action Description: Final Civil / Judicial Action
Enf Action Notes: Not reported
Enf Action Division: Department of Toxic Substances Control
Enf Action Program: DTSC_ENF
Enf Action Source: ENVSTORHAZ,

Site ID: 610673
Site Name: USS-POSCO INDUSTRIES
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 945650000
Enf Action Date: 11-12-2019
Enf Action Type: Initial Civil Filing with Attorney General
Enf Action Description: Initial Civil Filing with Attorney General
Enf Action Notes: Not reported
Enf Action Division: Department of Toxic Substances Control
Enf Action Program: DTSC_ENF
Enf Action Source: ENVSTORHAZ,

Site ID: 610673
Site Name: USS-POSCO INDUSTRIES
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 945650000
Enf Action Date: 09-24-2020
Enf Action Type: Federal Consent Order with Enforcement and Settlement
Enf Action Description: Federal Consent Order with Enforcement and Settlement
Enf Action Notes: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Enf Action Division: Department of Toxic Substances Control
Enf Action Program: DTSC_ENF
Enf Action Source: ENVSTORHAZ,

Affiliation:

Affiliation Type Desc: Facility Owner
Entity Name: USS-UPI, LLC
Entity Title: Not reported
Affiliation Address: 900 LOVERIDGE RD
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 945652808
Affiliation Phone: 9254396832,

Affiliation Type Desc: Facility Contact
Entity Name: FREDDY RIPOLI/EH&S MANAGER
Entity Title: Not reported
Affiliation Address: 900 LOVERIDGE RD MS67
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 945650000
Affiliation Phone: 9254396316,

Affiliation Type Desc: Lead Project Manager
Entity Name: Joann Lin
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Supervisor
Entity Name: Whitney Smith
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: PSC INDUSTRIAL OUTSOURCING PITTSBURG
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 399999
CERS ID: 10202377
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Violation Date: 09-10-2013

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/18/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Violation Date: 03-05-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 03/18/2019. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Currently the 10,000gal Mix Tank is missing from the inventory. Additionally, please rename Provox to a more generic - Sodium Percarbonate name, as facility no longer utilizes this brand. Rename Tallow Product to reflect that input is no longer Tallow (ex: Oil product, or Vegetable Oil Product, etc). Work with UPI to ensure the Iron oxide is captured on this inventory or theirs, as well as the 2 totes of degreaser in the OSU and update the inventory as necessary or let CCHSHMP know if it is on UPI's inventory. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Violation Date: 03-05-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 03/18/2019. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Facility has submitted their annual submittal, however their business phone has been disconnected for several phones due to an interruption of service. This must be updated on your owner/operator identification page. Please update the billing contact email at that time (email is still currently functional, but is now outdated). Site map and Inventory deficiencies are covered in other violations. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Violation Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Violation Date: 01-25-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/23/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Violation Date: 01-25-2016
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Training - General
Violation Notes: Returned to compliance on 02/24/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Violation Date: 01-25-2016
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/24/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Violation Date: 03-05-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/18/2019. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Current maps have most information including emergency response equipment, process drains, north orientation, but is missing a specific evacuation staging area, internal roads/adjacent streets, and is missing the hazardous materials storage areas for the warehouse and the Perlite stored outdoors. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Violation Date: 09-10-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 10/18/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Violation Date: 07-20-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 08/26/2021. OBSERVATION: The facility was provided information from UPI that the liquid processed at the OSU contains petroleum, but the facility has not updated the business activities information in CERS to acknowledge the applicability of the APSA Program. CORRECTIVE ACTION: By August 20, 2021, update and submit the business activities in CERS to indicate the facility owns or operates ASTs with greater than 1,320 gallons of petroleum capacity.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-20-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Eval General Type: Other/Unknown
Eval Date: 08-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-20-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-30-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-10-2013
Violations Found: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-06-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-26-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-10-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-06-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Enforcement Action:
Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Enf Action Date: 01-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 03-05-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 09-10-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 09-10-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 01-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 399999
Site Name: PSC Industrial Outsourcing Pittsburg
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 07-20-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 399999
Facility Name: PSC Industrial Outsourcing Pittsburg
Env Int Type Code: HMBP
Program ID: 10202377
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 38.022930
Longitude: -121.855760

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Environmental Contact
Entity Name: Eaton Matthew
Entity Title: Not reported
Affiliation Address: 880 W. Verdulera St.
Affiliation City: Camarillo
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93010
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Bhushansingh Rathor
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 900 Loveridge Road
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: PSC Industrial Outsourcing LP
Entity Title: Not reported
Affiliation Address: 5151 San Felipe Ste.1600
Affiliation City: Houston
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 77056
Affiliation Phone: (713) 858-0768,

Affiliation Type Desc: Operator
Entity Name: Patrick Curione
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (707) 430-3462,

Affiliation Type Desc: Identification Signer
Entity Name: Bhushansingh Rathor
Entity Title: Environmental Compliance - Associate
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: PSC Industrial Outsourcing, LP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 945650000
Site ID: 610673
CERS ID: 80001609
CERS Description: Corrective Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2014
Violations Found: No
Eval Type: DTSC Focused Compliance Inspection
Eval Notes: Focused Compliance Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 07-08-2010
Violations Found: Yes
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure Return To Compliance:
2010-09-09 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-28-2013
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure Return To Compliance:
2013-03-01 00:00:00
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-16-1999
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 04-12-2013
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2010
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-05-2017
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure Return To Compliance:
2017-08-07 00:00:00

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 06-29-2017
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 01-12-2005
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-10-2020
Violations Found: Yes
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure Return To Compliance:
2020-03-27 00:00:00

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Case Development Inspection
Eval Date: 03-26-2018
Violations Found: Yes
Eval Type: DTSC Case Development Inspection
Eval Notes: Case Development Inspection - Post-Closure Return To Compliance:
2019-11-06 00:00:00

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Information Request
Eval Date: 04-10-2020
Violations Found: Yes
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Post-Closure Return To Compliance:
2020-06-03 00:00:00

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2003
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Initiative
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2004
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Post-Closure
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ,

Enforcement Action:

Site ID: 610673
Site Name: USS-POSCO INDUSTRIES
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 945650000
Enf Action Date: 12-12-2019
Enf Action Type: Final Civil / Judicial Action
Enf Action Description: Final Civil / Judicial Action
Enf Action Notes: Not reported
Enf Action Division: Department of Toxic Substances Control
Enf Action Program: DTSC_ENF
Enf Action Source: ENVSTORHAZ,

Site ID: 610673
Site Name: USS-POSCO INDUSTRIES
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 945650000
Enf Action Date: 11-12-2019
Enf Action Type: Initial Civil Filing with Attorney General
Enf Action Description: Initial Civil Filing with Attorney General
Enf Action Notes: Not reported
Enf Action Division: Department of Toxic Substances Control
Enf Action Program: DTSC_ENF
Enf Action Source: ENVSTORHAZ,

Site ID: 610673
Site Name: USS-POSCO INDUSTRIES
Site Address: 900 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 945650000
Enf Action Date: 09-24-2020
Enf Action Type: Federal Consent Order with Enforcement and Settlement
Enf Action Description: Federal Consent Order with Enforcement and Settlement
Enf Action Notes: Not reported
Enf Action Division: Department of Toxic Substances Control
Enf Action Program: DTSC_ENF
Enf Action Source: ENVSTORHAZ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Affiliation:

Affiliation Type Desc: Facility Owner
Entity Name: USS-UPI, LLC
Entity Title: Not reported
Affiliation Address: 900 LOVERIDGE RD
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 945652808
Affiliation Phone: 9254396832,

Affiliation Type Desc: Facility Contact
Entity Name: FREDDY RIPOLI/EH&S MANAGER
Entity Title: Not reported
Affiliation Address: 900 LOVERIDGE RD MS67
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 945650000
Affiliation Phone: 9254396316,

Affiliation Type Desc: Lead Project Manager
Entity Name: Joann Lin
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Supervisor
Entity Name: Whitney Smith
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: USS POSCO INDUSTRIES - TANKS
Address: 900 LOVERIDGE
City,State,Zip: PITTSBURG, CA 94565
Site ID: 332078
CERS ID: 269480
CERS Description: Tanks & Ground Water Clean Up

Enforcement Action:

Site ID: 332078
Site Name: USS POSCO Industries - TANKS
Site Address: 900 LOVERIDGE
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 05-12-2000
Enf Action Type: Enforcement Letter (Formal)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Enf Action Description: Enforcement Letter Citing Violations and with Required Actions (Formal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

Name: US STEEL POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 694692
CERS ID: T0601300344
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SUE LOYD - CONTRA COSTA COUNTY
Entity Title: Not reported
Affiliation Address: 4333 PACHECO BLVD.
Affiliation City: MARTINEZ
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: US STEEL POSCO - PITTSBURG
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
Site ID: 694691
CERS ID: SL20208826
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: USS-POSCO, WMU II
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 694939
CERS ID: L10008749441
CERS Description: Land Disposal Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALYX KARPOWICZ - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 Clay St., Suite 1400
Affiliation City: OAKLAND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5106222427,

HWTS:

Name: HOUGHTON INTL. INC.
Address: 900 LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565
EPA ID: CAC003057752
Inactive Date: 05/27/2020
Create Date: 02/26/2020
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 901 E HECTOR ST
Mailing Address 2: Not reported
Mailing City,State,Zip: CONSHOCKEN, PA 194282307
Owner Name: HOUGHTON INTL. INC.
Owner Address: 901 E HECTOR ST
Owner Address 2: Not reported
Owner City,State,Zip: CONSHOCKEN, PA 194282307
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: SHAINA EDGE
Contact Address: 900 LOVERIDGE RD
Contact Address 2: Not reported
City,State,Zip: PITTSBURG, CA 945652808
Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 38.02302245
Longitude: -121.85572454

NAICS:

EPA ID: CAC003057752
Create Date: 2020-02-26 16:09:26.340
NAICS Code: 236210
NAICS Description: Industrial Building Construction
Issued EPA ID Date: 2020-02-26 16:09:26.35300
Inactive Date: 2020-05-27 16:09:26.32300
Facility Name: HOUGHTON INTL. INC.
Facility Address: 900 LOVERIDGE RD
Facility Address 2: Not reported
Facility City: PITTSBURG
Facility County: Not reported
Facility State: CA
Facility Zip: 945652808

EPA ID: CAC003057752
Create Date: 2020-02-26 16:09:26.340
NAICS Code: 236210
NAICS Description: Industrial Building Construction
Issued EPA ID Date: 2020-02-26 16:09:26.35300

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US STEEL POSCO INDUSTRIES (Continued)

S100184393

Inactive Date: 2020-05-27 16:09:26.32300
Facility Name: HOUGHTON INTL. INC.
Facility Address: 900 LOVERIDGE RD
Facility Address 2: Not reported
Facility City: PITTSBURG
Facility County: Not reported
Facility State: CA
Facility Zip: 945652808

**D22
NW
1/2-1
0.550 mi.
2902 ft.**

**USS-POSCO INDUSTRIES
900 LOVERIDGE RD
PITTSBURG, CA 94565
Site 7 of 9 in cluster D**

**DEED S112999667
ICE N/A
HWP
HAZNET
HWTS**

**Relative:
Higher
Actual:
22 ft.**

DEED:
Name: USS-UPI LLC
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 945650000
Envirostor ID: CAD009150194
Area: Not reported
Sub Area: Not reported
Site Type: OPERATING PERMIT
Status: OPERATING PERMIT
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

Name: USS-UPI LLC
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 945650000
Envirostor ID: CAD009150194
Area: Not reported
Sub Area: Not reported
Site Type: OPERATING PERMIT
Status: OPERATING PERMIT
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

ICE:
Envirostor ID: 3000755
Name: USS-UPI LLC
Address: 900 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
EPA ID: CAD009150194
Site Type: INSPECTION
Facility Status: No Action

Enforcement:
Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 09/24/2020

Action Type: Initial Civil Filing AG (510)
Action Date: 11/12/2019

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Action Type: Final Civil / Judicial Action (610)
Action Date: 12/12/2019

Inspection:

Action Type: Financial Records Review - Post-Closure
Action Date: 10/11/2022
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 04/10/2020
Violation Class: Class 1
RTC Date: 06/03/2020

Action Type: Focused Compliance Inspection - Post-Closure
Action Date: 08/24/2022
Violation Class: Class 2
RTC Date: 12/01/2022

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 08/24/2022
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 03/10/2020
Violation Class: Class 2
RTC Date: 03/27/2020

Action Type: Case Development Inspection - Post-Closure
Action Date: 03/26/2018
Violation Class: Class 1
RTC Date: 11/06/2019

Action Type: Financial Records Review - Post-Closure
Action Date: 06/29/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 06/05/2017
Violation Class: Class 1, Class 2, Minor
RTC Date: 08/07/2017

Action Type: Focused Compliance Inspection - Post-Closure
Action Date: 07/02/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 04/12/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 02/28/2013
Violation Class: Minor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

RTC Date: 03/01/2013

Action Type: Financial Records Review - Post-Closure
Action Date: 07/08/2010
Violation Class: Minor
RTC Date: 09/09/2010

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 09/17/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 01/12/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Initiative
Action Date: 05/07/2003
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 06/02/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 03/16/1999
Violation Class: No Violations
RTC Date: Not reported

HWP:

EPA ID: CAD009150194
Name: USS-UPI LLC
Address: 900 LOVERIDGE RD
Cleanup Status: OPERATING PERMIT
Latitude: 38.02252
Longitude: -121.8572
Facility Type: Permitted - Operating
Facility Size: Large Postclosure
Supervisor: RYAN BATTY
Site Code: 200204, 500301, 510914, 520024
Senate District: 07, 9
Assembly District: 14
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: QUARTERLY UPDATE Quarterly Update Period: July 2022 - October 2022.
The facility, now known as USS-UPI, Inc., is currently performing permit maintenance in accordance with their post-closure permit. More so, the permit is undergoing a Class 1 modification for proposed changes to the statistical method in the groundwater monitoring plan. The Class 1 modification has been conditionally approved and the Department is currently awaiting documents to finalize the modification process. POST-CLOSURE PERMIT MAINTENANCE Groundwater sampling and analysis: - Groundwater Elevations: monitored quarterly

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

in wells M-01DR, M-01F, M-01GR, M-02, M-03, M-04, M-04D, M-04S, M-05, M-06, M-07R, M-08, M-09, M-10, P-01R. - Groundwater Monitoring Parameters: monitored annually in wells M-01DR, M-01F, M-01GR, M-02, M-03, M-04, M-04D, M-04S, M-05 (monitoring includes Total Dissolved Solids (TDS), Total Organic Carbon (TOC), Metals (arsenic, chromium, copper, iron, lead, manganese, nickel, and zinc), and Total Petroleum Hydrocarbons Diesel (TPH-d). - Groundwater Monitoring Constituents of Concern (CoCs): sampled and analyzed every 5 years in wells M-01DR, M-01F, M-01GR, M-02, M-03, M-04, M-04D, M-04S, M-05 (monitoring includes Total Dissolved Solids (TDS), Total Organic Carbon (TOC), Metals (arsenic, chromium, copper, iron, lead, manganese, nickel, and zinc), and Total Petroleum Hydrocarbons Diesel (TPH-d). Landfill inspection: - Monthly visual inspection: Condition of gates, fences, and roads, evidence of erosion, cracking, or seepage. - Additional inspections shall be performed after 25 year 24 hour rainstorms, and after a significant earthquake or other events that may cause damage to the Unit I CAMU. - Annually the Unit I CAMU shall have a comprehensive inspection which is approved by an independent engineer registered in California. - Annual land survey to evaluate the condition of the cover. FACILITY DESCRIPTION/ HISTORY USS Posco is a steel production facility located in Contra Costa County at 900 Loveridge Road Pittsburg, California

Project Manager Lead: KAHUI LIM
 Project Manager: Not reported
 Permit Type: RCRA
 Permit Effective Date: 04/21/2014 (PC),
 Permit Expiration Date: 04/21/2024 (PC),
 Calenviroscreen Score: 76-80%
 Total Planned Hours: Not reported
 Total Planned Amount: Not reported
 Total Actual Hours: 0

Activities:

EPA ID: CAD009150194
 Facility Type: Permitted - Operating
 Facility Name: USS-UPI LLC
 Project Manager: Not reported
 Project Manager Lead: KAHUI LIM
 Supervisor: RYAN BATTY
 Facility Status: OPERATING PERMIT + PC UNIT
 Activity Type: Mod Class 1 - No Prior Approval Required
 Permit Being Renewed: Not reported
 Permit Being Modified: PC Renewal PC - No Changes
 Final Date: 2022-12-09 00:00:00
 Type: STATE
 Title Description: Groundwater Monitoring Statistical Method Mod Class 1* and Name Change Class 1
 Due Date: Not reported
 Comments: Documents from POSCO 3/2/2020 and 4/17/2020
 Unit Names: Unit #1: Unit 1 CAMU
 Event Description: Mod Class 1 - No Prior Approval Required - 1ST REQUEST FOR FURTHER INFORMATION
 Actual Date: 03/02/2020

EPA ID: CAD009150194
 Facility Type: Permitted - Operating
 Facility Name: USS-UPI LLC
 Project Manager: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Project Manager Lead: KAHUI LIM
 Supervisor: RYAN BATTY
 Facility Status: OPERATING PERMIT + PC UNIT
 Activity Type: Renewal - With Changes
 Permit Being Renewed: Not reported
 Permit Being Modified: Not reported
 Final Date: 1995-06-29 00:00:00
 Type: RCRA
 Title Description: Operating Permit Renewal for "CONTAIN1, TANKSTR3" Units
 Due Date: Not reported
 Comments: Not reported
 Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
 Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
 Actual Date: 06/29/2005

EPA ID: CAD009150194
 Facility Type: Permitted - Operating
 Facility Name: USS-UPI LLC
 Project Manager: Not reported
 Project Manager Lead: KAHUI LIM
 Supervisor: RYAN BATTY
 Facility Status: OPERATING PERMIT + PC UNIT
 Activity Type: Renewal - With Changes
 Permit Being Renewed: Not reported
 Permit Being Modified: Not reported
 Final Date: 1995-06-29 00:00:00
 Type: RCRA
 Title Description: Operating Permit Renewal for "CONTAIN1, TANKSTR3" Units
 Due Date: Not reported
 Comments: Not reported
 Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
 Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL
 Actual Date: 06/29/1995

EPA ID: CAD009150194
 Facility Type: Permitted - Operating
 Facility Name: USS-UPI LLC
 Project Manager: Not reported
 Project Manager Lead: KAHUI LIM
 Supervisor: RYAN BATTY
 Facility Status: OPERATING PERMIT + PC UNIT
 Activity Type: New Operating Permit
 Permit Being Renewed: Not reported
 Permit Being Modified: Not reported
 Final Date: 1983-12-09 00:00:00
 Type: RCRA
 Title Description: Initial Operating Permit for "CONTAIN1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5" Units
 Due Date: Not reported
 Comments: O&O initially applied for management in tanks containers and land units but permit was issued only for tanks and containers pending future closure aof all land units.
 Unit Names: CONTAIN1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
 Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
 Actual Date: 12/09/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill
Due Date: 01/27/2014
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 12/13/2013

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-12-09 00:00:00
Type: RCRA
Title Description: Initial Operating Permit for "CONTAIN1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5" Units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 03/14/1983

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: PC Renewal PC - No Changes
Final Date: 2022-12-09 00:00:00
Type: STATE
Title Description: Groundwater Monitoring Statistical Method Mod Class 1* and Name Change Class 1
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Event Description: Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 12/09/2022

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: PC Renewal PC - No Changes
Final Date: 2022-12-09 00:00:00
Type: STATE
Title Description: Groundwater Monitoring Statistical Method Mod Class 1* and Name Change Class 1

Due Date: Not reported
Comments: Letter from DTSC on changes to the statistical methods
Unit Names: Unit #1: Unit 1 CAMU
Event Description: Mod Class 1 - No Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date: 01/29/2020

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 04/21/2024

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 04/21/2014

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: USS-UPI, LLC. Permit Renewal for Large Post Closure Facility
Due Date: Not reported
Comments: Call in Letter Issued
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - REMINDER LETTER ISSUED
Actual Date: 09/23/2022

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill
Due Date: Not reported
Comments: 9/24/2012 - Letter finalized for delivery.
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/24/2012

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Due Date: 12/06/2013
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 12/06/2013

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: USS-UPI, LLC. Permit Renewal for Large Post Closure Facility
Due Date: Not reported
Comments: Site visit and preapp meeting 1/19/2023
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - PRE-APPLICATION MEETING
Actual Date: 01/19/2023

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-12-09 00:00:00
Type: RCRA
Title Description: Initial Operating Permit for "CONTAIN1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5" Units
Due Date: Not reported
Comments: O&O initially applied for management in tanks containers and land units but permit was issued only for tanks and containers pending future closure aof all land units.
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 12/09/1983

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill
Due Date: 10/29/2011
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - APPLICATION PART A RECEIVED
Actual Date: 05/04/2012

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - PUBLIC COMMENT (END)
Actual Date: 01/27/2014

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: PC Renewal PC - No Changes
Final Date: 2022-12-09 00:00:00
Type: STATE
Title Description: Groundwater Monitoring Statistical Method Mod Class 1* and Name Change Class 1
Due Date: Not reported
Comments: DTSC response
Unit Names: Unit #1: Unit 1 CAMU
Event Description: Mod Class 1 - No Prior Approval Required - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION RECEIVED
Actual Date: 06/10/2020

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-12-09 00:00:00
Type: RCRA
Title Description: Initial Operating Permit for "CONTAIN1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5" Units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 09/10/1982

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1, TANKSTR3" Units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 06/29/1995

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1, TANKSTR3" Units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 05/15/1995

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill
Due Date: Not reported
Comments: 06/04/2012 - Admin Completeness Letter completed.
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 06/04/2012

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - CALL-IN LETTER ISSUED
Actual Date: 04/25/2011

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-12-09 00:00:00
Type: RCRA
Title Description: Initial Operating Permit for "CONTAIN1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5" Units
Due Date: 11/19/1980
Comments: O&O initially applied for management in tanks, containers, and land units but permit was issued only for tanks and containers pending future closure of all land units.
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

EPA ID: CAD009150194

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-12-09 00:00:00
Type: RCRA
Title Description: Initial Operating Permit for "CONTAIN1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5" Units
Due Date: Not reported
Comments: O&O initially applied for management in tanks containers and land units but permit was issued only for tanks and containers pending future closure aof all land units.
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 12/09/1983
EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill
Due Date: 11/01/2013
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - DRAFT POST-CLOSURE PERMIT
Actual Date: 12/13/2013
EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: PC Renewal PC - No Changes
Final Date: 2022-12-09 00:00:00
Type: STATE
Title Description: Groundwater Monitoring Statistical Method Mod Class 1* and Name Change Class 1
Due Date: Not reported
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Unit Names: Unit #1: Unit 1 CAMU
Event Description: Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 04/21/2024

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-12-09 00:00:00
Type: RCRA
Title Description: Initial Operating Permit for "CONTAIN1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5" Units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 08/03/1983

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1, TANKSTR3" Units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 06/11/1993

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-06-29 00:00:00
Type: RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Title Description: Operating Permit Renewal for "CONTAIN1, TANKSTR3" Units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 03/31/1995

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-06-29 00:00:00

Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1, TANKSTR3" Units
Due Date: 04/18/1984
Comments: Modified Part A reflects determination by USEPA and DTSC that wastes applied to sludge drying units is not a hazardous waste.
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART A RECEIVED
Actual Date: 04/18/1984

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-06-29 00:00:00

Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1, TANKSTR3" Units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 04/30/1995

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Type:	STATE
Title Description:	Unit1 Landfill
Due Date:	Not reported
Comments:	6/20/2012- Rec d revisions to WQPS Report (Revision 1B June 2012). Added to Part B of permit renewal application. 11/14/2012 Rec d revised Part B of permit renewal application and uploaded to Envirostor.
Unit Names:	Unit #1: Unit 1 CAMU
Event Description:	PC Renewal PC - No Changes - APPLICATION PART B RECEIVED
Actual Date:	05/04/2012
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	PC Renewal PC - No Changes
Permit Being Modified:	Not reported
Final Date:	2014-03-21 00:00:00
Type:	STATE
Title Description:	Unit1 Landfill
Due Date:	12/01/2012
Comments:	Completed review of revised Part A & Part B
Unit Names:	Unit #1: Unit 1 CAMU
Event Description:	PC Renewal PC - No Changes - FINAL PART A & PART B RECEIVED
Actual Date:	11/30/2012
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	PC Renewal PC - No Changes
Permit Being Renewed:	PC Renewal PC - No Changes
Permit Being Modified:	Not reported
Final Date:	2014-03-21 00:00:00
Type:	STATE
Title Description:	Unit1 Landfill
Due Date:	03/28/2014
Comments:	Not reported
Unit Names:	Unit #1: Unit 1 CAMU
Event Description:	PC Renewal PC - No Changes - FINAL POST-CLOSURE PERMIT
Actual Date:	03/21/2014
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Renewal - With Changes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1995-06-29 00:00:00
Type:	RCRA
Title Description:	Operating Permit Renewal for "CONTAIN1, TANKSTR3" Units
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description:	Renewal - With Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date:	03/10/1994
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	PC Renewal PC - No Changes
Final Date:	2022-12-09 00:00:00
Type:	STATE
Title Description:	Groundwater Monitoring Statistical Method Mod Class 1* and Name Change Class 1
Due Date:	Not reported
Comments:	Final revision package received
Unit Names:	Unit #1: Unit 1 CAMU
Event Description:	Mod Class 1 - No Prior Approval Required - UPDATED APPLICATION RECEIVED
Actual Date:	08/25/2022
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	PC Renewal PC - No Changes
Final Date:	2022-12-09 00:00:00
Type:	STATE
Title Description:	Groundwater Monitoring Statistical Method Mod Class 1* and Name Change Class 1
Due Date:	12/09/2022
Comments:	Not reported
Unit Names:	Unit #1: Unit 1 CAMU
Event Description:	Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	12/09/2022
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-12-09 00:00:00
Type: RCRA
Title Description: Initial Operating Permit for "CONTAIN1, TANKSTR2, TANKSTR3, TANKSTR4, TANKSTR5" Units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR2 (GPRA Unit), TANKSTR3 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 08/03/1983

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill
Due Date: Not reported
Comments: Received revised final draft from CEQA
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - CEQA DETERMINATION
Actual Date: 08/07/2013

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Renewal - With Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-06-29 00:00:00
Type: RCRA
Title Description: Operating Permit Renewal for "CONTAIN1, TANKSTR3" Units
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 03/31/1995

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: PC Renewal PC - No Changes
Permit Being Renewed: PC Renewal PC - No Changes
Permit Being Modified: Not reported
Final Date: 2014-03-21 00:00:00
Type: STATE
Title Description: Unit1 Landfill
Due Date: Not reported
Comments: 11/06/2012 - Rec d email attachment of responses to NOD, 11/14/2012
Rec d hardcopy of NOD responses.
Unit Names: Unit #1: Unit 1 CAMU
Event Description: PC Renewal PC - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 11/06/2012

Closure:
EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: STATE
Title Description: Closure of "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date: 11/15/1995

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of TANKSTR5
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR2 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 11/19/1987

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	STATE
Title Description:	Closure of "STLANDFIL" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Unit #1: Unit 1 CAMU
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	12/28/1995
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of TANKSTR5
Due Date:	Not reported
Comments:	There is a duplicate event code for this. The second date which is not populated here is 1/27/1989. Needs verification.
Unit Names:	TANKSTR2 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description:	Closure - CLOSURE NOTICE RECEIVED
Actual Date:	04/25/1994
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	STATE
Title Description:	Closure of "STLANDFIL" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Unit #1: Unit 1 CAMU
Event Description:	Closure - PUBLIC COMMENT (BEGIN)
Actual Date:	04/25/1994
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "TANKSTR4" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR4 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 01/27/1989

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "TANKSTR3" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Closure Final - PUBLIC COMMENT (END)
Actual Date: 05/30/1995

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2002-11-01 00:00:00
Type: STATE
Title Description: Post Closure Permit for "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: New Post-Closure Permit - APPLICATION PART B RECEIVED
Actual Date: 05/22/2001

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of TANKSTR2
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR2 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/29/1995

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of TANKSTR2
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR2 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 11/01/1991

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2002-11-01 00:00:00
Type: STATE
Title Description: Post Closure Permit for "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: New Post-Closure Permit - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 07/16/2002

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Title Description:	Closure of TANKSTR2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR2 (GPRA Unit)
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	08/19/1999
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of "TANKSTR4" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR4 (GPRA Unit)
Event Description:	Closure - PUBLIC COMMENT (BEGIN)
Actual Date:	04/25/1994
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of TANKSTR5
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR2 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description:	Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date:	12/30/1994
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of TANKSTR5
Due Date:	Not reported
Comments:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Unit Names: TANKSTR2 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (END)
Actual Date: 04/25/1994

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA

Title Description: Closure of TANKSTR5
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR2 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 06/29/1995

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2002-11-01 00:00:00
Type: STATE
Title Description: Post Closure Permit for "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: New Post-Closure Permit - PUBLIC COMMENT (END)
Actual Date: 07/25/2002

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2002-11-01 00:00:00
Type: STATE
Title Description: Post Closure Permit for "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 10/31/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of TANKSTR5
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR2 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 04/25/1994

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "TANKSTR3" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 08/19/1999

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "TANKSTR3" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Closure Final - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 03/07/1995

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of "TANKSTR3" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description: Closure Final - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 03/10/1994

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: STATE
Title Description: Closure of "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 04/22/1993

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2002-11-01 00:00:00
Type: STATE
Title Description: Post Closure Permit for "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT
Actual Date: 11/01/2002

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure of "TANKSTR4" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR4 (GPRA Unit)
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 08/19/1999

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Contain 1 Closure Approval
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Closure - CLOSURE NOTICE RECEIVED
Actual Date: 08/19/1999

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: STATE
Title Description: Closure of "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 03/12/1994

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure Final

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of "TANKSTR3" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description:	Closure Final - CLOSURE PLAN APPROVED
Actual Date:	06/29/1995
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of "TANKSTR4" Unit
Due Date:	Not reported
Comments:	There is duplicate event code for this. The date for the duplicate event is 11/1/1991. Needs verification.
Unit Names:	TANKSTR4 (GPRA Unit)
Event Description:	Closure - CLOSURE NOTICE RECEIVED
Actual Date:	04/25/1994
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	STATE
Title Description:	Closure of "STLANDFIL" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Unit #1: Unit 1 CAMU
Event Description:	Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date:	04/08/1994
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	New Post-Closure Permit
Final Date:	2002-11-01 00:00:00
Type:	STATE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Title Description:	Post Closure Permit for "STLANDFIL" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Unit #1: Unit 1 CAMU
Event Description:	New Post-Closure Permit - FINAL PART A & PART B RECEIVED
Actual Date:	06/10/2002
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Contain 1 Closure Approval
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	08/19/1999
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of TANKSTR5
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR2 (GPRA Unit), TANKSTR4 (GPRA Unit), TANKSTR5 (GPRA Unit)
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	08/19/1999
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Contain 1 Closure Approval
Due Date:	Not reported
Comments:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Closure - CLOSURE PLAN APPROVED
Actual Date:	08/19/1999
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of TANKSTR2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR2 (GPRA Unit)
Event Description:	Closure - PUBLIC COMMENT (END)
Actual Date:	05/25/1994
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of "TANKSTR3" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description:	Closure Final - PUBLIC COMMENT (BEGIN)
Actual Date:	05/30/1995
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of "TANKSTR4" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR4 (GPRA Unit)
Event Description:	Closure - CLOSURE PLAN APPROVED
Actual Date:	06/29/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of TANKSTR2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR2 (GPRA Unit)
Event Description:	Closure - PUBLIC COMMENT (BEGIN)
Actual Date:	04/25/1994
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of "TANKSTR4" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR4 (GPRA Unit)
Event Description:	Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date:	12/30/1994
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Size:	Large Postclosure
Facility Status:	OPERATING PERMIT + PC UNIT
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure of "TANKSTR3" Unit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1 (GPRA Unit), TANKSTR3 (GPRA Unit)
Event Description:	Closure Final - CLOSURE PLAN RECEIVED
Actual Date:	03/07/1995
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2002-11-01 00:00:00
Type: STATE
Title Description: Post Closure Permit for "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: New Post-Closure Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 06/04/2012

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: Closure
Final Date: Not reported
Type: STATE
Title Description: Closure of "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: Closure - PUBLIC COMMENT (END)
Actual Date: 05/25/1994

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2002-11-01 00:00:00
Type: STATE
Title Description: Post Closure Permit for "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 06/10/2002

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Facility Size: Large Postclosure
Facility Status: OPERATING PERMIT + PC UNIT
Activity Type: New Post-Closure Permit
Final Date: 2002-11-01 00:00:00
Type: STATE
Title Description: Post Closure Permit for "STLANDFIL" Unit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit #1: Unit 1 CAMU
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 11/01/2002

Maint:

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2021 Groundwater Monitoring Report for Site L-B Unit I and Unit II (CAMU)
Document Type: Monitoring Report - Groundwater
Receive Date: 08/30/2022
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: Liquefaction Screening Evaluation Report
Document Type: Monitoring Report - Other
Receive Date: 06/22/2021
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2019 Groundwater Monitoring Report for Site L-B Unit I and Unit II (CAMU)
Document Type: Monitoring Report - Groundwater
Receive Date: 01/31/2020
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: 03/01/2020

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2017 Groundwater Monitoring Report for Site L-B Unit I and Unit II (CAMU)
Document Type: Monitoring Report - Groundwater

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Receive Date: 04/02/2018
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2018 Groundwater Monitoring Report for Site L-B Unit I and Unit II (CAMU)
Document Type: Monitoring Report - Groundwater
Receive Date: 01/29/2020
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: 02/28/2020

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: Manganese Increase at M-05 Considerations
Document Type: Letter from Facility
Receive Date: 06/19/2018
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: LUC per 21 April 2014 permit condition
Document Type: Deed Restriction / LUC Issued
Receive Date: 12/06/2018
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2018 Post-Closure Maintenance Inspection Report
Document Type: Inspection Report
Receive Date: 09/30/2019
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2019 Post-Closure Maintenance Inspection Report
Document Type: Inspection Report
Receive Date: 01/28/2020
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2021 66264.16(f) Training Certification
Document Type: Certification Documents from Facility
Receive Date: 04/05/2022
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: LUC for the USS-POSCO facility dated 7/8/1999.
Document Type: Deed Restriction / LUC Issued
Receive Date: 07/08/1999
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2011 Post-Closure Maintenance Inspection Report
Document Type: Inspection Report
Receive Date: 02/08/2012
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2012 Post-Closure Maintenance Inspection Report
Document Type: Investigation Report
Receive Date: 08/01/2019
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Due Date: Not reported
EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2013 Post-Closure Maintenance Inspection Report
Document Type: Investigation Report
Receive Date: 08/01/2019
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: Post-Closure Maintenance Inspection Report
Document Type: Investigation Report
Receive Date: 04/15/2015
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2016 Post-Closure Maintenance Inspection Report
Document Type: Investigation Report
Receive Date: 11/09/2017
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2017 Post-Closure Maintenance Inspection Report
Document Type: Investigation Report
Receive Date: 10/02/2019
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: Review of Part A and Part B Permit Renewal of USS Posco
Document Type: Facility Enforcement Support
Receive Date: 09/17/2012
Project Manager: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Status:	OPERATING PERMIT + PC UNIT
Due Date:	Not reported
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Title:	Seismic Hazard Evaluation
Document Type:	Investigation Report
Receive Date:	04/06/2021
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Status:	OPERATING PERMIT + PC UNIT
Due Date:	Not reported
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Title:	Annual GW Report for CAMU (Unit 1)
Document Type:	Monitoring Report - Groundwater
Receive Date:	09/19/2012
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Status:	OPERATING PERMIT + PC UNIT
Due Date:	Not reported
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Title:	CAMU (Unit 1) Updated Water Quality Protection Standards
Document Type:	Monitoring Workplan - Groundwater
Receive Date:	09/13/2012
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Status:	OPERATING PERMIT + PC UNIT
Due Date:	Not reported
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Title:	2012 Groundwater Self-Monitoring Program Report for Site L-B Unit I and Unit II
Document Type:	Monitoring Report - Groundwater
Receive Date:	08/01/2019
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Facility Status:	OPERATING PERMIT + PC UNIT
Due Date:	03/31/2013
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Title: Groundwater Monitoring Report for Site L-B Unit I and Unit II (CAMU)
Document Type: Monitoring Report - Groundwater
Receive Date: 07/01/2014
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2014 Groundwater Monitoring Report for Site L-B Unit I and Unit II (CAMU)

Document Type: Monitoring Report - Groundwater
Receive Date: 08/01/2019
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2016 Groundwater Monitoring Report for Site L-B Unit I and Unit II (CAMU)

Document Type: Monitoring Report - Groundwater
Receive Date: 03/23/2018
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: 01/26/2018

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2016 Groundwater Monitoring Report for Site L-B Unit I and Unit II (CAMU)

Document Type: Monitoring Report - Groundwater
Receive Date: 05/05/2017
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2020 Groundwater Monitoring Report for Site L-B Unit I and Unit II (CAMU)

Document Type: Monitoring Report - Groundwater
Receive Date: 07/02/2021
Project Manager: Not reported
Project Manager Lead: KAHUI LIM

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2020 Post-Closure Maintenance Inspection Report
Document Type: Monitoring Report - Other
Receive Date: 02/09/2021
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: 03/11/2021

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: REQUEST FOR SUBMITTAL OF COMPLETED HAZARDOUS WASTE FACILITY MONITORING REPORT SUMMARY FORM
Document Type: Monitoring Workplan - Other
Receive Date: 08/25/2021
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Title: 2021 Post-Closure Maintenance Inspection Report
Document Type: Monitoring Report - Other
Receive Date: 02/18/2022
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Facility Status: OPERATING PERMIT + PC UNIT
Due Date: Not reported

Alias:
EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Facility Status: OPERATING PERMIT + PC UNIT
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Alias Type: APN
Alias: 073-030-018

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Facility Status: OPERATING PERMIT + PC UNIT
Project Manager: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Alias Type:	APN
Alias:	073-030-021
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Facility Status:	OPERATING PERMIT + PC UNIT
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Alias Type:	APN
Alias:	073-030-023
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Facility Status:	OPERATING PERMIT + PC UNIT
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Alias Type:	APN
Alias:	073-30-015
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Facility Status:	OPERATING PERMIT + PC UNIT
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Alias Type:	Project Code (Site Code)
Alias:	200204
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Facility Status:	OPERATING PERMIT + PC UNIT
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Alias Type:	Project Code (Site Code)
Alias:	500301
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating
Facility Name:	USS-UPI LLC
Facility Status:	OPERATING PERMIT + PC UNIT
Project Manager:	Not reported
Project Manager Lead:	KAHUI LIM
Supervisor:	RYAN BATTY
Alias Type:	Project Code (Site Code)
Alias:	510914
EPA ID:	CAD009150194
Facility Type:	Permitted - Operating

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Facility Name: USS-UPI LLC
Facility Status: OPERATING PERMIT + PC UNIT
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Alias Type: Project Code (Site Code)
Alias: 520024

EPA ID: CAD009150194
Facility Type: Permitted - Operating
Facility Name: USS-UPI LLC
Facility Status: OPERATING PERMIT + PC UNIT
Project Manager: Not reported
Project Manager Lead: KAHUI LIM
Supervisor: RYAN BATTY
Alias Type: Alternate Name
Alias: US STEEL PITTSBURG WORKS

HAZNET:

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 945650000
Contact: FREDDY RIPOLI/EH&S MANAGER
Telephone: 9254396316
Mailing Name: Not reported
Mailing Address: PO BOX 471 MS 67

Year: 2021
Gepaid: CAD009150194
TSD EPA ID: NVT330010000
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 2.2

Year: 2021
Gepaid: CAD009150194
TSD EPA ID: CAD050806850
CA Waste Code: 731 - Liquids with polychlorinated biphenyls >= 50 Mg./L
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 9.73176

Year: 2021
Gepaid: CAD009150194
TSD EPA ID: NED981723513
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.119

Year: 2021
Gepaid: CAD009150194
TSD EPA ID: CAD008302903
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5

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USS-POSCO INDUSTRIES (Continued)

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Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0125
Year:	2021
Gepaid:	CAD009150194
TSD EPA ID:	CAD008302903
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.4
Year:	2021
Gepaid:	CAD009150194
TSD EPA ID:	CAD980675276
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	81.98
Year:	2021
Gepaid:	CAD009150194
TSD EPA ID:	CAD059494310
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	20.85071
Year:	2021
Gepaid:	CAD009150194
TSD EPA ID:	CAD008302903
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0335
Year:	2021
Gepaid:	CAD009150194
TSD EPA ID:	UTD991301748
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	84.02
Year:	2021
Gepaid:	CAD009150194
TSD EPA ID:	CAT080014079
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.17

[Click this hyperlink](#) while viewing on your computer to access 1227 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2021

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USS-POSCO INDUSTRIES (Continued)

S112999667

Gen EPA ID:	CAD009150194
Shipment Date:	9/25/2020
Creation Date:	10/6/2020
Receipt Date:	9/29/2020
Manifest ID:	001796901VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002,D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	6/7/2021
Receipt Date:	10/2/2020
Manifest ID:	001796900VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	TRISTATE MOTOR TRANSIT CO.
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	213,213 - Not reported
RCRA Code:	D001,D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	6/7/2021
Receipt Date:	10/2/2020
Manifest ID:	001796900VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Trans 2 EPA ID: MOD095038998
Trans 2 Name: TRISTATE MOTOR TRANSIT CO.
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 213,213 - Not reported
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.4
Waste Quantity: 800
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/25/2020
Creation Date: 6/7/2021
Receipt Date: 10/2/2020
Manifest ID: 001796900VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: MOD095038998
Trans 2 Name: TRISTATE MOTOR TRANSIT CO.
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 342 - Organic liquids with metals (see 121
RCRA Code: D005,D008
Meth Code: H020 - Solvents Recovery
Quantity Tons: 0.95
Waste Quantity: 1900
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/25/2020
Creation Date: 6/7/2021
Receipt Date: 10/2/2020
Manifest ID: 001796900VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: MOD095038998
Trans 2 Name: TRISTATE MOTOR TRANSIT CO.
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 792 - Not reported
RCRA Code: D002,D007
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

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EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.1
Waste Quantity:	2200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	10/6/2020
Receipt Date:	9/29/2020
Manifest ID:	001796901VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002,D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	10/6/2020
Receipt Date:	9/29/2020
Manifest ID:	001796901VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	10/6/2020
Receipt Date:	9/29/2020
Manifest ID:	001796901VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	10/6/2020
Receipt Date:	9/29/2020
Manifest ID:	001796901VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	10/6/2020
Receipt Date:	9/29/2020
Manifest ID:	001796901VES

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080014079
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.32
Waste Quantity: 640
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2020
Gen EPA ID: CAD009150194

Shipment Date: 9/25/2020
Creation Date: 10/6/2020
Receipt Date: 9/29/2020
Manifest ID: 001796901VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080014079
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 792 - Not reported
RCRA Code: D002,D007
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/25/2020
Creation Date: 6/7/2021
Receipt Date: 10/2/2020
Manifest ID: 001796900VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: MOD095038998

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EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Trans 2 Name: TRISTATE MOTOR TRANSIT CO.
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 213,213 - Not reported
RCRA Code: D001,D018
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/25/2020
Creation Date: 6/7/2021
Receipt Date: 10/2/2020
Manifest ID: 001796900VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: MOD095038998
Trans 2 Name: TRISTATE MOTOR TRANSIT CO.
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 213,213 - Not reported
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.4
Waste Quantity: 800
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/25/2020
Creation Date: 6/7/2021
Receipt Date: 10/2/2020
Manifest ID: 001796900VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: MOD095038998
Trans 2 Name: TRISTATE MOTOR TRANSIT CO.
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 342 - Organic liquids with metals (see 121
RCRA Code: D005,D008
Meth Code: H020 - Solvents Recovery
Quantity Tons: 0.95

Map ID
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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Waste Quantity:	1900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	6/7/2021
Receipt Date:	10/2/2020
Manifest ID:	001796900VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	MOD095038998
Trans 2 Name:	TRISTATE MOTOR TRANSIT CO.
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002,D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.1
Waste Quantity:	2200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/25/2020
Creation Date:	10/6/2020
Receipt Date:	9/29/2020
Manifest ID:	001796901VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002,D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
Direction
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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Shipment Date: 9/25/2020
Creation Date: 10/6/2020
Receipt Date: 9/29/2020
Manifest ID: 001796901VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080014079
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code: D002
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.4
Waste Quantity: 800
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/25/2020
Creation Date: 10/6/2020
Receipt Date: 9/29/2020
Manifest ID: 001796901VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080014079
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.025
Waste Quantity: 50
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/25/2020
Creation Date: 10/6/2020
Receipt Date: 9/29/2020
Manifest ID: 001796901VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Trans 2 Name: Not reported
TSDf EPA ID: CAT080014079
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.04
Waste Quantity: 80
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/25/2020
Creation Date: 10/6/2020
Receipt Date: 9/29/2020
Manifest ID: 001796901VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080014079
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.32
Waste Quantity: 640
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Detail Two:

Year: 2020
EM Manifest ID: 06366584-37a7-4665-84aa-9878699662b6
Shipment Date: 8/12/2020
Receipt Date: 8/26/2020
Manifest Number: 007771056SKS
Generator EPA ID: CAD009150194
Name: USS POSCO IND
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Main Contact

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Contact Telephone: 925-439-6299
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: UTD981552177
TSDf Name: Clean Harbors Aragonite LLC
TSDf Address 1: 11600 North Aptus Road
TSDf Address 2: Not reported
TSDf City: Grantsville
TSDf Zip: 84029
TSDf Telephone: 800-483-3718

Federal:

Year: 2020
EM Manifest ID: 06366584-37a7-4665-84aa-9878699662b6
Generator EPA ID: CAD009150194
Shipment Date: 2020-08-12
Manifest Number: 007771056SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D006

Year: 2020
EM Manifest ID: 06366584-37a7-4665-84aa-9878699662b6
Generator EPA ID: CAD009150194
Shipment Date: 2020-08-12
Manifest Number: 007771056SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 06366584-37a7-4665-84aa-9878699662b6
Generator EPA ID: CAD009150194
Shipment Date: 2020-08-12
Manifest Number: 007771056SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

State:

Year: 2020
EM Manifest ID: 06366584-37a7-4665-84aa-9878699662b6
Generator EPA ID: CAD009150194
Shipment Date: 2020-08-12
Manifest Number: 007771056SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 252

Year: 2020
EM Manifest ID: 889366
Shipment Date: 7/22/2019
Receipt Date: 8/8/2019
Manifest Number: 000292768DAT
Generator EPA ID: CAD009150194
Name: USS - POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: NVD980895338
TSDf Name: 21st Century Environmental Management of Nevada, LLC
TSDf Address 1: 2095 Newlands Drive East
TSDf Address 2: Not reported
TSDf City: Fernley
TSDf Zip: 89408
TSDf Telephone: Not reported

Federal:

Year: 2020
EM Manifest ID: 889366
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-22
Manifest Number: 000292768DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.67500
Quantity Waste: 1350.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Federal Code: D005
Year: 2020
EM Manifest ID: 889366
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-22
Manifest Number: 000292768DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.67500
Quantity Waste: 1350.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

State:
Year: 2020
EM Manifest ID: 889366
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-22
Manifest Number: 000292768DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.67500
Quantity Waste: 1350.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Year: 2020
EM Manifest ID: b77d50a6-b48d-414d-8667-174bc919ef6e
Shipment Date: 6/16/2020
Receipt Date: 6/30/2020
Manifest Number: 011858048FLE
Generator EPA ID: CAD009150194
Name: USS POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Tyler Lee
Contact Telephone: 925-303-8967
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: UTD991301748
TSDF Name: Clean Harbors Grassy Mountain LLC
TSDF Address 1: 3 Miles East 7 Miles North of Knolls
TSDF Address 2: Exit 41 off I-80
TSDF City: Grantsville

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

TSDF Zip: 84029
TSDF Telephone: 800-483-3718

Federal:
Year: 2020
EM Manifest ID: b77d50a6-b48d-414d-8667-174bc919ef6e
Generator EPA ID: CAD009150194
Shipment Date: 2020-06-16
Manifest Number: 011858048FLE
Line Number: 1
Method Code: H141
Quantity Tons: 2.75000
Quantity Waste: 5500.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Portable tanks
Quantity Type: Pounds
Federal Code: D007

State:
Year: 2020
EM Manifest ID: b77d50a6-b48d-414d-8667-174bc919ef6e
Generator EPA ID: CAD009150194
Shipment Date: 2020-06-16
Manifest Number: 011858048FLE
Line Number: 1
Method Code: H141
Quantity Tons: 2.75000
Quantity Waste: 5500.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Portable tanks
Quantity Type: Pounds
State Code: 135

Year: 2020
EM Manifest ID: cfb5f5f3-b8f7-4346-a657-3a5419cb5d65
Shipment Date: 4/12/2019
Receipt Date: 4/29/2019
Manifest Number: 000260785DAT
Generator EPA ID: CAD009150194
Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
City: PITTSBURG
Zip: 94565-0000
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 925-439-6679
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGMENT OF NEVADA, LLC.
TSDF Address 1: NEWLANDS DRIVE EAST

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

TSDf Address 2:	Not reported
TSDf City:	FERNLEY
TSDf Zip:	89408
TSDf Telephone:	Not reported
Federal:	
Year:	2020
EM Manifest ID:	cfb5f5f3-b8f7-4346-a657-3a5419cb5d65
Generator EPA ID:	CAD009150194
Shipment Date:	2019-04-12
Manifest Number:	000260785DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.75000
Quantity Waste:	1500.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	cfb5f5f3-b8f7-4346-a657-3a5419cb5d65
Generator EPA ID:	CAD009150194
Shipment Date:	2019-04-12
Manifest Number:	000260785DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.75000
Quantity Waste:	1500.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007
State:	
Year:	2020
EM Manifest ID:	cfb5f5f3-b8f7-4346-a657-3a5419cb5d65
Generator EPA ID:	CAD009150194
Shipment Date:	2019-04-12
Manifest Number:	000260785DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.75000
Quantity Waste:	1500.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	181
Year:	2020
EM Manifest ID:	1145589
Shipment Date:	3/16/2020
Receipt Date:	3/26/2020

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Manifest Number: 001517663VES
Generator EPA ID: CAD009150194
Name: USS-POSCO INDUSTRIES
Address: LOVERIDGE ROAD
Address 2: Not reported
City: PITTSBURG
Zip: 94565-0000
Telephone: 877-818-0087
Contact: STEPHEN P CUSICK
Contact Telephone: 925-439-6010
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAT000624247
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: NVT330010000
TSDf Name: US ECOLOGY NEVADA, INC
TSDf Address 1: HWY 95 11 MI S OF BEATTY
TSDf Address 2: Not reported
TSDf City: BEATTY
TSDf Zip: 89003
TSDf Telephone: 800-839-3975

State:

Year: 2020
EM Manifest ID: 1145589
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517663VES
Line Number: 1
Method Code: H039
Quantity Tons: 1.10000
Quantity Waste: 2200.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Portable tanks
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 1142381
Shipment Date: 3/16/2020
Receipt Date: 3/20/2020
Manifest Number: 001517661VES
Generator EPA ID: CAD009150194
Name: USS POSCO
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565-2808
Telephone: 877-818-0087
Contact: Not reported
Contact Telephone: 925-439-6528
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: CAD008302903

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

TSDF Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1: W FIRST ST
TSDF Address 2: Not reported
TSDF City: AZUSA
TSDF Zip: 91702
TSDF Telephone: Not reported

Federal:

Year: 2020
EM Manifest ID: 1142381
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 1142381
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES
Line Number: 2
Method Code: H141
Quantity Tons: 0.12000
Quantity Waste: 240.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 1142381
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES
Line Number: 2
Method Code: H141
Quantity Tons: 0.12000
Quantity Waste: 240.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D005

Year: 2020
EM Manifest ID: 1142381
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Line Number: 2
Method Code: H141
Quantity Tons: 0.12000
Quantity Waste: 240.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 1142381
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES
Line Number: 3
Method Code: H141
Quantity Tons: 0.12000
Quantity Waste: 240.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 1142381
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES
Line Number: 3
Method Code: H141
Quantity Tons: 0.12000
Quantity Waste: 240.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 1142381
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES
Line Number: 4
Method Code: H141
Quantity Tons: 0.40000
Quantity Waste: 800.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 1142381

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES
Line Number: 4
Method Code: H141
Quantity Tons: 0.40000
Quantity Waste: 800.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 1142381
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES
Line Number: 5
Method Code: H141
Quantity Tons: 2.90000
Quantity Waste: 5800.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Portable tanks
Quantity Type: Pounds
Federal Code: D002

Year: 2020
EM Manifest ID: 1142381
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES
Line Number: 5
Method Code: H141
Quantity Tons: 2.90000
Quantity Waste: 5800.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Portable tanks
Quantity Type: Pounds
Federal Code: D007

State:
Year: 2020
EM Manifest ID: 1142381
Generator EPA ID: CAD009150194
Shipment Date: 2020-03-16
Manifest Number: 001517661VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

State Code:	213
Year:	2020
EM Manifest ID:	1142381
Generator EPA ID:	CAD009150194
Shipment Date:	2020-03-16
Manifest Number:	001517661VES
Line Number:	2
Method Code:	H141
Quantity Tons:	0.12000
Quantity Waste:	240.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551
Year:	2020
EM Manifest ID:	1142381
Generator EPA ID:	CAD009150194
Shipment Date:	2020-03-16
Manifest Number:	001517661VES
Line Number:	3
Method Code:	H141
Quantity Tons:	0.12000
Quantity Waste:	240.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551
Year:	2020
EM Manifest ID:	1142381
Generator EPA ID:	CAD009150194
Shipment Date:	2020-03-16
Manifest Number:	001517661VES
Line Number:	4
Method Code:	H141
Quantity Tons:	0.40000
Quantity Waste:	800.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	792
Year:	2020
EM Manifest ID:	1142381
Generator EPA ID:	CAD009150194
Shipment Date:	2020-03-16
Manifest Number:	001517661VES
Line Number:	5
Method Code:	H141
Quantity Tons:	2.90000
Quantity Waste:	5800.000000
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Number of Containers:	2
Type of Container:	Portable tanks
Quantity Type:	Pounds
State Code:	792
Year:	2020
EM Manifest ID:	1142381
Generator EPA ID:	CAD009150194
Shipment Date:	2020-03-16
Manifest Number:	001517661VES
Line Number:	6
Method Code:	H020
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343
Year:	2020
EM Manifest ID:	992094
Shipment Date:	2/4/2020
Receipt Date:	2/7/2020
Manifest Number:	001406984VES
Generator EPA ID:	CAD009150194
Name:	USS POSCO
Address:	900 LOVERIDGE RD
Address 2:	Not reported
City:	PITTSBURG
Zip:	94565-2808
Telephone:	877-818-0087
Contact:	Not reported
Contact Telephone:	925-439-6528
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDf EPA ID:	CAD008302903
TSDf Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Address 1:	W FIRST ST
TSDf Address 2:	Not reported
TSDf City:	AZUSA
TSDf Zip:	91702
TSDf Telephone:	Not reported
Federal:	
Year:	2020
EM Manifest ID:	992094
Generator EPA ID:	CAD009150194
Shipment Date:	2020-02-04
Manifest Number:	001406984VES
Line Number:	1
Method Code:	H061
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 992094
Generator EPA ID: CAD009150194
Shipment Date: 2020-02-04
Manifest Number: 001406984VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F003

Year: 2020
EM Manifest ID: 992094
Generator EPA ID: CAD009150194
Shipment Date: 2020-02-04
Manifest Number: 001406984VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: F005

Year: 2020
EM Manifest ID: 992094
Generator EPA ID: CAD009150194
Shipment Date: 2020-02-04
Manifest Number: 001406984VES
Line Number: 2
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 992094
Generator EPA ID: CAD009150194
Shipment Date: 2020-02-04
Manifest Number: 001406984VES
Line Number: 3
Method Code: H061

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Quantity Tons: 0.40000
Quantity Waste: 800.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:

Year: 2020
EM Manifest ID: 992094
Generator EPA ID: CAD009150194
Shipment Date: 2020-02-04
Manifest Number: 001406984VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 214

Year: 2020
EM Manifest ID: 992094
Generator EPA ID: CAD009150194
Shipment Date: 2020-02-04
Manifest Number: 001406984VES
Line Number: 2
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 343

Year: 2020
EM Manifest ID: 992094
Generator EPA ID: CAD009150194
Shipment Date: 2020-02-04
Manifest Number: 001406984VES
Line Number: 3
Method Code: H061
Quantity Tons: 0.40000
Quantity Waste: 800.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 992094
Generator EPA ID: CAD009150194

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Shipment Date: 2020-02-04
Manifest Number: 001406984VES
Line Number: 4
Method Code: H141
Quantity Tons: 1.40000
Quantity Waste: 2800.000000
Quantity Unit: P
Number of Containers: 7
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 8c2fbb7f-5a00-4921-bc02-8995bec046a8
Shipment Date: 11/23/2020
Receipt Date: 12/9/2020
Manifest Number: 011849419FLE
Generator EPA ID: CAD009150194
Name: USS POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Tyler Lee
Contact Telephone: 925-303-8967
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: UTD981552177
TSDf Name: Clean Harbors Aragonite LLC
TSDf Address 1: 11600 North Aptus Road
TSDf Address 2: Not reported
TSDf City: Grantsville
TSDf Zip: 84029
TSDf Telephone: 800-483-3718

State:

Year: 2020
EM Manifest ID: 8c2fbb7f-5a00-4921-bc02-8995bec046a8
Generator EPA ID: CAD009150194
Shipment Date: 2020-11-23
Manifest Number: 011849419FLE
Line Number: 1
Method Code: H040
Quantity Tons: 4.90941
Quantity Waste: 4455.000000
Quantity Unit: K
Number of Containers: 14
Type of Container: Metal drums, barrels, kegs
Quantity Type: Kilograms
State Code: 731

Year: 2020
EM Manifest ID: 1632560f-0122-44b4-8a98-57a3aebf8317

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Shipment Date: 10/30/2020
Receipt Date: 12/2/2020
Manifest Number: 011849412FLE
Generator EPA ID: CAD009150194
Name: USS POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Tyler Lee
Contact Telephone: 925-303-8967
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: UTD981552177
TSDf Name: Clean Harbors Aragonite LLC
TSDf Address 1: 11600 North Aptus Road
TSDf Address 2: Not reported
TSDf City: Grantsville
TSDf Zip: 84029
TSDf Telephone: 800-483-3718

State:

Year: 2020
EM Manifest ID: 1632560f-0122-44b4-8a98-57a3aebf8317
Generator EPA ID: CAD009150194
Shipment Date: 2020-10-30
Manifest Number: 011849412FLE
Line Number: 1
Method Code: H040
Quantity Tons: 2.80459
Quantity Waste: 2545.000000
Quantity Unit: K
Number of Containers: 8
Type of Container: Metal drums, barrels, kegs
Quantity Type: Kilograms
State Code: 731

Year: 2020
EM Manifest ID: 79ab73f3-1e48-481c-8cef-b0154b56a902
Shipment Date: 10/30/2020
Receipt Date: 12/1/2020
Manifest Number: 011849413FLE
Generator EPA ID: CAD009150194
Name: USS POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Tyler Lee
Contact Telephone: 925-303-8967
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Transporter 2 Emergency Number: Not reported
TSDf EPA ID: UTD991301748
TSDf Name: Clean Harbors Grassy Mountain LLC
TSDf Address 1: 3 Miles East 7 Miles North of Knolls
TSDf Address 2: Exit 41 off I-80
TSDf City: Grantsville
TSDf Zip: 84029
TSDf Telephone: 800-483-3718

State:
Year: 2020
EM Manifest ID: 79ab73f3-1e48-481c-8cef-b0154b56a902
Generator EPA ID: CAD009150194
Shipment Date: 2020-10-30
Manifest Number: 011849413FLE
Line Number: 1
Method Code: H132
Quantity Tons: 0.02975
Quantity Waste: 27.000000
Quantity Unit: K
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Kilograms
State Code: 261

Detail Two:
Year: 2019
EM Manifest ID: 621484
Shipment Date: 9/16/2019
Receipt Date: 9/20/2019
Manifest Number: 001524305VES
Generator EPA ID: CAD009150194
Name: USS POSCO
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565-2808
Telephone: 877-818-0087
Contact: Not reported
Contact Telephone: 925-439-6528
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: CAD008302903
TSDf Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Address 1: 1704 W FIRST ST
TSDf Address 2: Not reported
TSDf City: AZUSA
TSDf Zip: 91702
TSDf Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 621484
Generator EPA ID: CAD009150194
Shipment Date: 2019-09-16

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Manifest Number: 001524305VES
Line Number: 1
Method Code: H141
Quantity Tons: 3.85000
Quantity Waste: 7700.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Portable tanks
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 621484
Generator EPA ID: CAD009150194
Shipment Date: 2019-09-16
Manifest Number: 001524305VES
Line Number: 1
Method Code: H141
Quantity Tons: 3.85000
Quantity Waste: 7700.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Portable tanks
Quantity Type: Pounds
Federal Code: D007

State:

Year: 2019
EM Manifest ID: 621484
Generator EPA ID: CAD009150194
Shipment Date: 2019-09-16
Manifest Number: 001524305VES
Line Number: 1
Method Code: H141
Quantity Tons: 3.85000
Quantity Waste: 7700.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Portable tanks
Quantity Type: Pounds
State Code: 792

Year: 2019
EM Manifest ID: 609404
Shipment Date: 9/16/2019
Receipt Date: 9/20/2019
Manifest Number: 001524304VES
Generator EPA ID: CAD009150194
Name: USS POSCO
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565-2808
Telephone: 877-818-0087
Contact: Not reported
Contact Telephone: 925-439-6528

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	1704 W FIRST ST
TSDF Address 2:	Not reported
TSDF City:	AZUSA
TSDF Zip:	91702
TSDF Telephone:	Not reported
Federal:	
Year:	2019
EM Manifest ID:	609404
Generator EPA ID:	CAD009150194
Shipment Date:	2019-09-16
Manifest Number:	001524304VES
Line Number:	1
Method Code:	H141
Quantity Tons:	4.35000
Quantity Waste:	8700.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Portable tanks
Quantity Type:	Pounds
Federal Code:	D002
Year:	2019
EM Manifest ID:	609404
Generator EPA ID:	CAD009150194
Shipment Date:	2019-09-16
Manifest Number:	001524304VES
Line Number:	1
Method Code:	H141
Quantity Tons:	4.35000
Quantity Waste:	8700.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Portable tanks
Quantity Type:	Pounds
Federal Code:	D007
State:	
Year:	2019
EM Manifest ID:	609404
Generator EPA ID:	CAD009150194
Shipment Date:	2019-09-16
Manifest Number:	001524304VES
Line Number:	1
Method Code:	H141
Quantity Tons:	4.35000
Quantity Waste:	8700.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Portable tanks
Quantity Type:	Pounds

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

State Code: 792

Year: 2019
EM Manifest ID: 609260
Shipment Date: 8/26/2019
Receipt Date: 8/30/2019
Manifest Number: 009562843FLE
Generator EPA ID: CAD009150194
Name: USS POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: Patrick Hucko
Contact Telephone: 925-439-6128
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: CAD059494310
TSDf Name: Clean Harbors San Jose LLC
TSDf Address 1: 1021 Berryessa Road
TSDf Address 2: Not reported
TSDf City: San Jose
TSDf Zip: 95133
TSDf Telephone: 800-483-3718

State:

Year: 2019
EM Manifest ID: 609260
Generator EPA ID: CAD009150194
Shipment Date: 2019-08-26
Manifest Number: 009562843FLE
Line Number: 1
Method Code: H141
Quantity Tons: 5.07000
Quantity Waste: 10140.000000
Quantity Unit: P
Number of Containers: 17
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Year: 2019
EM Manifest ID: 50664
Shipment Date: 8/24/2018
Receipt Date: 9/14/2018
Manifest Number: 018358796JJK
Generator EPA ID: CAD009150194
Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
City: PITTSBURG
Zip: 94565-0000
Telephone: 888-380-8664

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Contact: Not reported
Contact Telephone: 925-439-6010
Transporter 1 EPA ID: CAR000241448
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD980585293
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: AZR000520304
TSDf Name: AA SYDCOL LLC
TSDf Address 1: 2264 E 13TH ST
TSDf Address 2: Not reported
TSDf City: YUMA
TSDf Zip: 85365-1858
TSDf Telephone: Not reported

State:

Year: 2019
EM Manifest ID: 50664
Generator EPA ID: CAD009150194
Shipment Date: 2018-08-24
Manifest Number: 018358796JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.18700
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 343

Year: 2019
EM Manifest ID: 007892944JJK20180816_D_1
Shipment Date: 8/16/2018
Receipt Date: 8/29/2018
Manifest Number: 007892944JJK
Generator EPA ID: CAD009150194
Name: USS POSCO INDUSTRIES FACILITY
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MIK103800723
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000163832
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: AZD982441263
TSDf Name: EVOQUA WATER TECHNOLOGIES LLC
TSDf Address 1: Not reported
TSDf Address 2: Not reported
TSDf City: Not reported
TSDf Zip: Not reported
TSDf Telephone: Not reported

Federal:

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Year: 2019
EM Manifest ID: 007892944JJK20180816_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-08-16
Manifest Number: 007892944JJK
Line Number: 1
Method Code: H039
Quantity Tons: 3.00000
Quantity Waste: 6000.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
Federal Code: F002

State:

Year: 2019
EM Manifest ID: 007892944JJK20180816_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-08-16
Manifest Number: 007892944JJK
Line Number: 1
Method Code: H039
Quantity Tons: 3.00000
Quantity Waste: 6000.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
State Code: 351

Year: 2019
EM Manifest ID: 434121
Shipment Date: 7/9/2019
Receipt Date: 7/12/2019
Manifest Number: 001723083VES
Generator EPA ID: CAD009150194
Name: USS POSCO
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565-2808
Telephone: 877-818-0087
Contact: Not reported
Contact Telephone: 925-439-6528
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: CAD008302903
TSDf Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Address 1: 1704 W FIRST ST
TSDf Address 2: Not reported
TSDf City: AZUSA
TSDf Zip: 91702
TSDf Telephone: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Federal:

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 2
Method Code: H061
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 3
Method Code: H141
Quantity Tons: 0.01500
Quantity Waste: 30.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 4
Method Code: H141
Quantity Tons: 0.12000
Quantity Waste: 240.000000
Quantity Unit: P
Number of Containers: 2

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 5
Method Code: H141

Quantity Tons: 0.09000
Quantity Waste: 180.000000
Quantity Unit: P

Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 6
Method Code: H141

Quantity Tons: 0.09000
Quantity Waste: 180.000000
Quantity Unit: P

Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D002

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 8
Method Code: H141

Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P

Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D003

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 8
Method Code: H141

Quantity Tons: 0.00250

Map ID
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Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: P030

State:

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 2
Method Code: H061
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 3
Method Code: H141
Quantity Tons: 0.01500
Quantity Waste: 30.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Manifest Number: 001723083VES
Line Number: 4
Method Code: H141
Quantity Tons: 0.12000
Quantity Waste: 240.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 5
Method Code: H141
Quantity Tons: 0.09000
Quantity Waste: 180.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 141

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 6
Method Code: H141
Quantity Tons: 0.09000
Quantity Waste: 180.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 141

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 7
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 8
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 9
Method Code: H141
Quantity Tons: 0.17500
Quantity Waste: 350.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 10
Method Code: H141
Quantity Tons: 0.12000
Quantity Waste: 240.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 434121
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723083VES
Line Number: 11
Method Code: H141
Quantity Tons: 0.12000
Quantity Waste: 240.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

State Code: 352

Year: 2019
EM Manifest ID: 460202
Shipment Date: 7/9/2019
Receipt Date: 7/22/2019
Manifest Number: 001723082VES
Generator EPA ID: CAD009150194
Name: USS POSCO
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565-2808
Telephone: 877-818-0087
Contact: Not reported
Contact Telephone: 925-439-6528
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: TXD000838896
TSDF Name: VEOLIA ES TECHNICAL SOLUTIONS
TSDF Address 1: 7665 HWY 73
TSDF Address 2: Not reported
TSDF City: PORT ARTHUR
TSDF Zip: 77640-2563
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 460202
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-09
Manifest Number: 001723082VES
Line Number: 1
Method Code: H040
Quantity Tons: 0.07000
Quantity Waste: 140.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 223

Year: 2019
EM Manifest ID: 549965
Shipment Date: 7/26/2019
Receipt Date: 8/7/2019
Manifest Number: 009562746FLE
Generator EPA ID: CAD009150194
Name: USS POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Contact: James Jo
Contact Telephone: 925-439-6653
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD059494310
TSDF Name: Clean Harbors San Jose LLC
TSDF Address 1: 1021 Berryessa Road
TSDF Address 2: Not reported
TSDF City: San Jose
TSDF Zip: 95133
TSDF Telephone: 800-483-3718

State:

Year: 2019
EM Manifest ID: 549965
Generator EPA ID: CAD009150194
Shipment Date: 2019-07-26
Manifest Number: 009562746FLE
Line Number: 1
Method Code: H141
Quantity Tons: 14.32000
Quantity Waste: 28640.000000
Quantity Unit: P
Number of Containers: 53
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Year: 2019
EM Manifest ID: 728c06a0-fb74-46dc-a379-c7bf24086cff
Shipment Date: 5/9/2019
Receipt Date: 5/21/2019
Manifest Number: 009562819FLE
Generator EPA ID: CAD009150194
Name: USS POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: James Jo
Contact Telephone: 925-439-6653
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: UTD991301748
TSDF Name: Clean Harbors Grassy Mountain LLC
TSDF Address 1: PO Box 22750
TSDF Address 2: Not reported
TSDF City: Salt Lake City
TSDF Zip: 84122
TSDF Telephone: 800-483-3718

State:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Year: 2019
EM Manifest ID: 728c06a0-fb74-46dc-a379-c7bf24086cff
Generator EPA ID: CAD009150194
Shipment Date: 2019-05-09
Manifest Number: 009562819FLE
Line Number: 1
Method Code: H132
Quantity Tons: 1.16812
Quantity Waste: 1060.000000
Quantity Unit: K
Number of Containers: 5
Type of Container: Metal drums, barrels, kegs
Quantity Type: Kilograms
State Code: 261

Year: 2019
EM Manifest ID: 549970
Shipment Date: 5/2/2019
Receipt Date: 5/8/2019
Manifest Number: 009562820FLE
Generator EPA ID: CAD009150194
Name: USS POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 800-483-3718
Contact: James Jo
Contact Telephone: 925-439-6653
Transporter 1 EPA ID: MAD039322250
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: CAD059494310
TSDf Name: Clean Harbors San Jose LLC
TSDf Address 1: 1021 Berryessa Road
TSDf Address 2: Not reported
TSDf City: San Jose
TSDf Zip: 95133
TSDf Telephone: 800-483-3718

State:

Year: 2019
EM Manifest ID: 549970
Generator EPA ID: CAD009150194
Shipment Date: 2019-05-02
Manifest Number: 009562820FLE
Line Number: 1
Method Code: H141
Quantity Tons: 15.45000
Quantity Waste: 30900.000000
Quantity Unit: P
Number of Containers: 58
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Detail Two:

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Shipment Date: 9/26/2017
Receipt Date: 9/29/2017
Manifest Number: 001243423VES
Generator EPA ID: CAD009150194
Name: USS POSCO
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD982523433
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: CAD008302903
TSDf Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Address 1: Not reported
TSDf Address 2: Not reported
TSDf City: Not reported
TSDf Zip: Not reported
TSDf Telephone: Not reported

Federal:

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F005

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 2
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 2
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D002

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 3
Method Code: H061
Quantity Tons: 0.17500
Quantity Waste: 350.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Quantity Type: NULL
Federal Code: D001

State:

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 2
Method Code: H141
Quantity Tons: 0.03000
Quantity Waste: 60.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 3
Method Code: H061
Quantity Tons: 0.17500
Quantity Waste: 350.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 4
Method Code: H141
Quantity Tons: 0.04000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Quantity Waste: 80.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 001243423VES20170926_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-26
Manifest Number: 001243423VES
Line Number: 5
Method Code: H141
Quantity Tons: 0.08000
Quantity Waste: 160.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 000184577DAT20170919_D_1
Shipment Date: 9/19/2017
Receipt Date: 10/10/2017
Manifest Number: 000184577DAT
Generator EPA ID: CAD009150194
Name: USS - POSCO INDUSTRIES
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: NVD980895338
TSDf Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Address 1: Not reported
TSDf Address 2: Not reported
TSDf City: Not reported
TSDf Zip: Not reported
TSDf Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 000184577DAT20170919_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-19
Manifest Number: 000184577DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.75000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Quantity Waste: 1500.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
Federal Code: D005

Year: 2018
EM Manifest ID: 000184577DAT20170919_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-19
Manifest Number: 000184577DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.75000
Quantity Waste: 1500.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

State:
Year: 2018
EM Manifest ID: 000184577DAT20170919_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-09-19
Manifest Number: 000184577DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.75000
Quantity Waste: 1500.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
State Code: 181

Year: 2018
EM Manifest ID: 92182
Shipment Date: 7/13/2018
Receipt Date: 8/17/2018
Manifest Number: 000227795DAT
Generator EPA ID: CAD009150194
Name: USS - POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
City: PITTSBURG
Zip: 94565
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095039998
Transporter 2 Emergency Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF Address 2: Not reported
TSDF City: Fernley
TSDF Zip: 89408
TSDF Telephone: Not reported

Federal:

Year: 2018
EM Manifest ID: 92182
Generator EPA ID: CAD009150194
Shipment Date: 2018-07-13
Manifest Number: 000227795DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.75000
Quantity Waste: 1500.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D005

Year: 2018
EM Manifest ID: 92182
Generator EPA ID: CAD009150194
Shipment Date: 2018-07-13
Manifest Number: 000227795DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.75000
Quantity Waste: 1500.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Year: 2018
EM Manifest ID: 000164916DAT20170712_D_1
Shipment Date: 7/12/2017
Receipt Date: 7/26/2017
Manifest Number: 000164916DAT
Generator EPA ID: CAD009150194
Name: USS - POSCO INDUSTRIES
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

TSDf EPA ID:	NVD980895338
TSDf Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Address 1:	Not reported
TSDf Address 2:	Not reported
TSDf City:	Not reported
TSDf Zip:	Not reported
TSDf Telephone:	Not reported
Federal:	
Year:	2018
EM Manifest ID:	000164916DAT20170712_D_1
Generator EPA ID:	CAD009150194
Shipment Date:	2017-07-12
Manifest Number:	000164916DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	2018
EM Manifest ID:	000164916DAT20170712_D_1
Generator EPA ID:	CAD009150194
Shipment Date:	2017-07-12
Manifest Number:	000164916DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
State:	
Year:	2018
EM Manifest ID:	000164916DAT20170712_D_1
Generator EPA ID:	CAD009150194
Shipment Date:	2017-07-12
Manifest Number:	000164916DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

EM Manifest ID: 001243587VES20180612_D_1
Shipment Date: 6/12/2018
Receipt Date: 6/26/2018
Manifest Number: 001243587VES
Generator EPA ID: CAD009150194
Name: USS POSCO
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: CAD008302903
TSDf Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Address 1: Not reported
TSDf Address 2: Not reported
TSDf City: Not reported
TSDf Zip: Not reported
TSDf Telephone: Not reported

Federal:

Year: 2018
EM Manifest ID: 001243587VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243587VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D003

State:

Year: 2018
EM Manifest ID: 001243587VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243587VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 711

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Shipment Date: 6/12/2018
Receipt Date: 6/15/2018
Manifest Number: 001243585VES
Generator EPA ID: CAD009150194
Name: USS POSCO
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: CAD008302903
TSDf Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Address 1: Not reported
TSDf Address 2: Not reported
TSDf City: Not reported
TSDf Zip: Not reported
TSDf Telephone: Not reported

Federal:

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.01250
Quantity Waste: 25.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.01250
Quantity Waste: 25.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: P022

Year: 2018

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 2
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 2
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 2
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F005

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 3
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Federal Code: D001

State:

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 1
Method Code: H141
Quantity Tons: 0.01250
Quantity Waste: 25.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 141

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 2
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 3
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 343

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 4
Method Code: H141
Quantity Tons: 0.60000
Quantity Waste: 1200.000000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 5
Method Code: H061
Quantity Tons: 0.30000
Quantity Waste: 600.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 221

Year: 2018
EM Manifest ID: 001243585VES20180612_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-06-12
Manifest Number: 001243585VES
Line Number: 6
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 343

Year: 2018
EM Manifest ID: 000178056DAT20170511_D_1
Shipment Date: 5/11/2017
Receipt Date: 5/24/2017
Manifest Number: 000178056DAT
Generator EPA ID: CAD009150194
Name: USS - POSCO INDUSTRIES
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MAN MANAGEMENT OF NEVADA LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

TSDf Address 1:	Not reported
TSDf Address 2:	Not reported
TSDf City:	Not reported
TSDf Zip:	Not reported
TSDf Telephone:	Not reported
Federal:	
Year:	2018
EM Manifest ID:	000178056DAT20170511_D_1
Generator EPA ID:	CAD009150194
Shipment Date:	2017-05-11
Manifest Number:	000178056DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D005
Year:	
Year:	2018
EM Manifest ID:	000178056DAT20170511_D_1
Generator EPA ID:	CAD009150194
Shipment Date:	2017-05-11
Manifest Number:	000178056DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
State:	
Year:	2018
EM Manifest ID:	000178056DAT20170511_D_1
Generator EPA ID:	CAD009150194
Shipment Date:	2017-05-11
Manifest Number:	000178056DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	1.00000
Quantity Waste:	2000.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	
Year:	2018
EM Manifest ID:	000212772DAT20180510_D_1
Shipment Date:	5/10/2018

Map ID
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Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Receipt Date: 6/8/2018
Manifest Number: 000212772DAT
Generator EPA ID: CAD009150194
Name: USS - FOSCO INDUSTRIES
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: NVD980895338
TSDf Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Address 1: Not reported
TSDf Address 2: Not reported
TSDf City: Not reported
TSDf Zip: Not reported
TSDf Telephone: Not reported

Federal:

Year: 2018
EM Manifest ID: 000212772DAT20180510_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-05-10
Manifest Number: 000212772DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.45000
Quantity Waste: 900.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D005

Year: 2018
EM Manifest ID: 000212772DAT20180510_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2018-05-10
Manifest Number: 000212772DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.45000
Quantity Waste: 900.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

State:

Year: 2018
EM Manifest ID: 000212772DAT20180510_D_1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Generator EPA ID: CAD009150194
Shipment Date: 2018-05-10
Manifest Number: 000212772DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.45000
Quantity Waste: 900.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 181

Year: 2018
EM Manifest ID: 001232176VES20170420_D_1
Shipment Date: 4/20/2017
Receipt Date: 4/26/2017
Manifest Number: 001232176VES
Generator EPA ID: CAD009150194
Name: USS POSCO
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD982523433
Transporter 2 Emergency Number: Not reported
TSDf EPA ID: CAD008302903
TSDf Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Address 1: Not reported
TSDf Address 2: Not reported
TSDf City: Not reported
TSDf Zip: Not reported
TSDf Telephone: Not reported

Federal:

Year: 2018
EM Manifest ID: 001232176VES20170420_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-04-20
Manifest Number: 001232176VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 001232176VES20170420_D_1

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Generator EPA ID: CAD009150194
Shipment Date: 2017-04-20
Manifest Number: 001232176VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F003

Year: 2018
EM Manifest ID: 001232176VES20170420_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-04-20
Manifest Number: 001232176VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: F005

Year: 2018
EM Manifest ID: 001232176VES20170420_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-04-20
Manifest Number: 001232176VES
Line Number: 2
Method Code: H061
Quantity Tons: 0.20000
Quantity Waste: 400.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 001232176VES20170420_D_1
Generator EPA ID: CAD009150194
Shipment Date: 2017-04-20
Manifest Number: 001232176VES
Line Number: 1
Method Code: H061
Quantity Tons: 0.15000
Quantity Waste: 300.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

State Code:	214
Year:	2018
EM Manifest ID:	001232176VES20170420_D_1
Generator EPA ID:	CAD009150194
Shipment Date:	2017-04-20
Manifest Number:	001232176VES
Line Number:	2
Method Code:	H061
Quantity Tons:	0.20000
Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	001232176VES20170420_D_1
Generator EPA ID:	CAD009150194
Shipment Date:	2017-04-20
Manifest Number:	001232176VES
Line Number:	3
Method Code:	H020
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	343
Year:	2018
EM Manifest ID:	001241778VES20180306_D_1
Shipment Date:	3/6/2018
Receipt Date:	3/20/2018
Manifest Number:	001241778VES
Generator EPA ID:	CAD009150194
Name:	USS POSCO
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	NJD080631369
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008302903
TSDF Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported

Map ID
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Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

TSDF Telephone: Not reported

Federal:

Year: 2018

EM Manifest ID: 001241778VES20180306_D_1

Generator EPA ID: CAD009150194

Shipment Date: 2018-03-06

Manifest Number: 001241778VES

Line Number: 1

Method Code: H141

Quantity Tons: 0.20000

Quantity Waste: 400.000000

Quantity Unit: P

Number of Containers: 1

Type of Container: NULL

Quantity Type: NULL

Federal Code: D003

State:

Year: 2018

EM Manifest ID: 001241778VES20180306_D_1

Generator EPA ID: CAD009150194

Shipment Date: 2018-03-06

Manifest Number: 001241778VES

Line Number: 1

Method Code: H141

Quantity Tons: 0.20000

Quantity Waste: 400.000000

Quantity Unit: P

Number of Containers: 1

Type of Container: NULL

Quantity Type: NULL

State Code: 711

Additional Info:

Year: 2017

Gen EPA ID: CAD009150194

Shipment Date: 20171121

Creation Date: 6/20/2018 18:31:46

Receipt Date: 20171130

Manifest ID: 017166060JJK

Trans EPA ID: CAL000298854

Trans Name: BAYVIEW ENVIRONMENTAL SERVICES INC

Trans 2 EPA ID: CAR000037283

Trans 2 Name: WORLD ENVIRONMENTAL & ENERGY

TSDF EPA ID: CAD982042475

Trans Name: RECOLOGY-HAY ROAD LANDFILL

TSDF Alt EPA ID: Not reported

TSDF Alt Name: Not reported

Waste Code Description: 151 - Asbestos-containing waste

RCRA Code: Not reported

Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 0.69

Waste Quantity: 3

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171120
Creation Date:	6/20/2018 18:31:41
Receipt Date:	20171121
Manifest ID:	016608474JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	8.67
Waste Quantity:	17340
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171120
Creation Date:	6/20/2018 18:31:41
Receipt Date:	20171121
Manifest ID:	016608474JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	172 - Metal dust (see 121) and machining waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	3.21
Waste Quantity:	6420
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

S112999667

Shipment Date:	20171114
Creation Date:	7/19/2018 18:30:16
Receipt Date:	20171121
Manifest ID:	001232831VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171114
Creation Date:	8/3/2018 18:30:48
Receipt Date:	20171117
Manifest ID:	001232830VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171027
Creation Date:	7/16/2018 18:30:44
Receipt Date:	20171027
Manifest ID:	016608480JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

S112999667

TSDF EPA ID: CAD980675276
Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: F006
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 11.71
Waste Quantity: 23420
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171024
Creation Date: 6/20/2018 18:31:35
Receipt Date: 20171024
Manifest ID: 016608477JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICE INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980675276
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 4.83
Waste Quantity: 9660
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171023
Creation Date: 6/20/2018 18:31:41
Receipt Date: 20171023
Manifest ID: 016608475JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980675276
Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 141 - Off-specification, aged, or surplus inorganics
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Quantity Tons:	12.86
Waste Quantity:	25720
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171021
Creation Date:	6/20/2018 18:31:41
Receipt Date:	20171021
Manifest ID:	016608483JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	172 - Metal dust (see 121) and machining waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	13.58
Waste Quantity:	27160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171011
Creation Date:	6/28/2018 18:30:22
Receipt Date:	20171011
Manifest ID:	016608482JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	13.7
Waste Quantity:	27400
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Additional Code 4: Not reported
 Additional Code 5: Not reported

Additional Info:

Year: 2016
 Gen EPA ID: CAD009150194

Shipment Date: 20151216
 Creation Date: 5/24/2016 16:38:02
 Receipt Date: 20151217
 Manifest ID: 007550823JJK
 Trans EPA ID: MAD039322250
 Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
 Trans 2 EPA ID: Not reported
 Trans 2 Name: Not reported
 TSDf EPA ID: CAD980675276
 Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
 TSDf Alt EPA ID: Not reported
 TSDf Alt Name: Not reported
 Waste Code Description: 172 - Metal dust (see 121) and machining waste
 RCRA Code: Not reported
 Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As
 Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 10.04
 Waste Quantity: 20080
 Quantity Unit: P
 Additional Code 1: Not reported
 Additional Code 2: Not reported
 Additional Code 3: Not reported
 Additional Code 4: Not reported
 Additional Code 5: Not reported

Shipment Date: 20151130
 Creation Date: 2/10/2016 22:15:31
 Receipt Date: 20151130
 Manifest ID: 007550816JJK
 Trans EPA ID: MAD039322250
 Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
 Trans 2 EPA ID: Not reported
 Trans 2 Name: Not reported
 TSDf EPA ID: CAD980675276
 Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
 TSDf Alt EPA ID: Not reported
 TSDf Alt Name: Not reported
 Waste Code Description: 181 - Other inorganic solid waste Organics
 RCRA Code: F006
 Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As
 Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 16.2
 Waste Quantity: 32400
 Quantity Unit: P
 Additional Code 1: D007
 Additional Code 2: Not reported
 Additional Code 3: Not reported
 Additional Code 4: Not reported
 Additional Code 5: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

S112999667

Shipment Date:	20151117
Creation Date:	1/25/2016 22:15:12
Receipt Date:	20151117
Manifest ID:	007550807JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	172 - Metal dust (see 121) and machining waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	9.43
Waste Quantity:	18860
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151111
Creation Date:	1/21/2016 22:15:32
Receipt Date:	20151112
Manifest ID:	007550819JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	172 - Metal dust (see 121) and machining waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	7.79
Waste Quantity:	15580
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151111
Creation Date:	1/21/2016 22:15:32
Receipt Date:	20151112
Manifest ID:	007550819JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	5.6
Waste Quantity:	11200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	1/11/2016 22:16:40
Receipt Date:	20151104
Manifest ID:	001810129JJK
Trans EPA ID:	CAL000251425
Trans Name:	PETROCHEM INSULATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982042475
Trans Name:	RECOLOGY HAY ROAD LANDFILL
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.46
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	5/12/2016 10:00:34
Receipt Date:	20151106
Manifest ID:	000940742VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151103
Creation Date: 12/30/2015 22:15:14
Receipt Date: 20151106
Manifest ID: 000936952VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: F005
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: F003
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151103
Creation Date: 12/30/2015 22:15:14
Receipt Date: 20151106
Manifest ID: 000936952VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.04
Waste Quantity: 80
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	1/21/2016 22:16:16
Receipt Date:	20151110
Manifest ID:	000936953VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2015
Gen EPA ID:	CAD009150194
Shipment Date:	20151216
Creation Date:	5/24/2016 16:38:02
Receipt Date:	20151217
Manifest ID:	007550823JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	172 - Metal dust (see 121) and machining waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	10.04
Waste Quantity:	20080
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151130

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Creation Date: 2/10/2016 22:15:31
Receipt Date: 20151130
Manifest ID: 007550816JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980675276
Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: F006
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 16.2
Waste Quantity: 32400
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151117
Creation Date: 1/25/2016 22:15:12
Receipt Date: 20151117
Manifest ID: 007550807JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980675276
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 172 - Metal dust (see 121) and machining waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 9.43
Waste Quantity: 18860
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151111
Creation Date: 1/21/2016 22:15:32
Receipt Date: 20151112
Manifest ID: 007550819JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

TSDF EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	5.6
Waste Quantity:	11200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151111
Creation Date:	1/21/2016 22:15:32
Receipt Date:	20151112
Manifest ID:	007550819JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	172 - Metal dust (see 121) and machining waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	7.79
Waste Quantity:	15580
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	1/11/2016 22:16:40
Receipt Date:	20151104
Manifest ID:	001810129JJK
Trans EPA ID:	CAL000251425
Trans Name:	PETROCHEM INSULATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982042475
Trans Name:	RECOLOGY HAY ROAD LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.46
Waste Quantity: 2
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151103
Creation Date: 1/21/2016 22:16:16
Receipt Date: 20151110
Manifest ID: 000936953VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080014079
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20151103
Creation Date: 1/21/2016 22:16:16
Receipt Date: 20151110
Manifest ID: 000936953VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080014079
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0375
Waste Quantity: 75
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	12/30/2015 22:15:14
Receipt Date:	20151106
Manifest ID:	000936952VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151103
Creation Date:	12/30/2015 22:15:14
Receipt Date:	20151106
Manifest ID:	000936952VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDf EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2014
Gen EPA ID:	CAD009150194
Shipment Date:	20141214

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Creation Date: 6/25/2015 22:15:43
Receipt Date: 20141223
Manifest ID: 004836694FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: AZR000508515
Trans 2 Name: SLT EXPRESS WAY INC
TSDf EPA ID: UTD981552177
Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 261 - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.04408
Waste Quantity: 40
Quantity Unit: K
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141214
Creation Date: 6/23/2015 22:15:22
Receipt Date: 20141218
Manifest ID: 004836695FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: KSD981506025
Trans Name: CLEAN HARBORS PPM LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code: Not reported
Meth Code: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons: 3.80741
Waste Quantity: 3455
Quantity Unit: K
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141214
Creation Date: 6/25/2015 22:15:43
Receipt Date: 20141223
Manifest ID: 004836694FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: AZR000508515
Trans 2 Name: SLT EXPRESS WAY INC
TSDf EPA ID: UTD981552177

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Trans Name: CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 3.306
Waste Quantity: 3000
Quantity Unit: K
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141210
Creation Date: 3/3/2015 22:14:59
Receipt Date: 20141211
Manifest ID: 007550781JJK
Trans EPA ID: MAD039322250
Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980675276
Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: F006
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 16.55
Waste Quantity: 33100
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20141210
Creation Date: 2/13/2015 22:15:23
Receipt Date: 20141216
Manifest ID: 000743577VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAT080014079
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.275

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Waste Quantity:	550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141210
Creation Date:	2/13/2015 22:15:23
Receipt Date:	20141216
Manifest ID:	000743577VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1875
Waste Quantity:	375
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141121
Creation Date:	4/9/2015 22:15:05
Receipt Date:	20141205
Manifest ID:	000111037DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.59
Waste Quantity:	1180
Quantity Unit:	P
Additional Code 1:	D005
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Shipment Date:	20141105
Creation Date:	1/26/2015 22:15:24
Receipt Date:	20141105
Manifest ID:	007550787JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	172 - Metal dust (see 121) and machining waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	10.32
Waste Quantity:	20640
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141104
Creation Date:	1/26/2015 22:15:24
Receipt Date:	20141104
Manifest ID:	007550782JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	14.12
Waste Quantity:	28240
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141027
Creation Date:	1/26/2015 22:15:11
Receipt Date:	20141028
Manifest ID:	007550783JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Trans 2 Name: Not reported
TSDf EPA ID: CAD980675276
Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: F006
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 15.68
Waste Quantity: 31360
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2013
Gen EPA ID: CAD009150194

Shipment Date: 20131218
Creation Date: 2/18/2014 22:15:13
Receipt Date: 20131218
Manifest ID: 007550740JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980675276
Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: F006
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 14.59
Waste Quantity: 29180
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131212
Creation Date: 2/16/2014 22:15:06
Receipt Date: 20131212
Manifest ID: 007550748JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980675276
Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	172 - Metal dust (see 121) and machining waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.97
Waste Quantity:	33940
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131122
Creation Date:	1/28/2014 22:15:19
Receipt Date:	20131122
Manifest ID:	007550718JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	5.13
Waste Quantity:	10260
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131122
Creation Date:	1/28/2014 22:15:19
Receipt Date:	20131122
Manifest ID:	007550718JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	172 - Metal dust (see 121) and machining waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	8.18

Map ID
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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

S112999667

Waste Quantity: 16360
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131121
Creation Date: 1/28/2014 22:15:19
Receipt Date: 20131121
Manifest ID: 007550741JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980675276
Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: F006
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 16.14
Waste Quantity: 32280
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131120
Creation Date: 1/13/2014 22:15:06
Receipt Date: 20131127
Manifest ID: 000773453VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: CAD982523433
Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Map ID
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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

S112999667

Shipment Date:	20131120
Creation Date:	1/8/2014 22:15:18
Receipt Date:	20131126
Manifest ID:	000773454VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	K062
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131120
Creation Date:	5/10/2014 22:15:07
Receipt Date:	20131211
Manifest ID:	000773455VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	AZ0000337360
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.12012
Waste Quantity:	109
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131120
Creation Date:	1/13/2014 22:15:06
Receipt Date:	20131127
Manifest ID:	000773453VES
Trans EPA ID:	NJD080631369
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID:	CAD982523433

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

S112999667

Trans 2 Name: DILLARD ENVIRONMENTAL SERVICES
TSDf EPA ID: CAD008302903
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code: D018
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.6
Waste Quantity: 1200
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131120
Creation Date: 5/10/2014 22:15:07
Receipt Date: 20131211
Manifest ID: 000773455VES
Trans EPA ID: NJD080631369
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: AZ0000337360
Trans Name: VEOLIA ES TECHNICAL SOLUTIONS
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 261 - Not reported
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No
Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.01984
Waste Quantity: 18
Quantity Unit: K
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:

Year: 2012
Gen EPA ID: CAD009150194

Shipment Date: 20121221
Creation Date: 3/13/2013 22:15:38
Receipt Date: 20121228
Manifest ID: 007550685JJK
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD980675276
Trans Name: CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID: Not reported

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USS-POSCO INDUSTRIES (Continued)

S112999667

TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.98
Waste Quantity:	31960
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121219
Creation Date:	2/9/2013 22:15:14
Receipt Date:	20121219
Manifest ID:	009216832JJK
Trans EPA ID:	CAR000037283
Trans Name:	WORLD ENVIRONMENTAL & ENERGY
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD982042475
Trans Name:	RECOLOGY-HAY ROAD LANDFILL
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	7.2
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121218
Creation Date:	3/1/2013 22:15:08
Receipt Date:	20121218
Manifest ID:	007550686JJK
Trans EPA ID:	CAR000168738
Trans Name:	SK TRUCKING ENT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.7
Waste Quantity:	31400

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

S112999667

Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121213
Creation Date:	2/17/2013 22:15:06
Receipt Date:	20121213
Manifest ID:	007550642JJK
Trans EPA ID:	CAR000165274
Trans Name:	INTRINSIC TRANSPORTATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.62
Waste Quantity:	25240
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121207
Creation Date:	2/17/2013 22:15:06
Receipt Date:	20121207
Manifest ID:	007550655JJK
Trans EPA ID:	CAR000165274
Trans Name:	INTRINSIC TRANS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	172 - Metal dust (see 121) and machining waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.39
Waste Quantity:	32780
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID
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USS-POSCO INDUSTRIES (Continued)

S112999667

Shipment Date:	20121130
Creation Date:	2/17/2013 22:15:06
Receipt Date:	20121204
Manifest ID:	007550674JJK
Trans EPA ID:	CAR000168738
Trans Name:	SK TRUCKING ENT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.53
Waste Quantity:	31060
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121129
Creation Date:	2/15/2013 22:15:22
Receipt Date:	20121129
Manifest ID:	007550675JJK
Trans EPA ID:	CAR000165738
Trans Name:	SK TRUCKING ENT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.58
Waste Quantity:	31160
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121128
Creation Date:	2/15/2013 22:15:22
Receipt Date:	20121128
Manifest ID:	007550644JJK
Trans EPA ID:	CAR000165234
Trans Name:	INTRINSIC TRANS
Trans 2 EPA ID:	Not reported

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Elevation

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	14.57
Waste Quantity:	29140
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121126
Creation Date:	2/15/2013 22:15:22
Receipt Date:	20121126
Manifest ID:	007550676JJK
Trans EPA ID:	CAR000165738
Trans Name:	SK TRUCKING ENT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.66
Waste Quantity:	31320
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121114
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121115
Manifest ID:	007550643JJK
Trans EPA ID:	CAR000165738
Trans Name:	SK TRUCKING ENT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD980675276
Trans Name:	CLEANHARBORS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S112999667

Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 14.97
Waste Quantity: 29940
Quantity Unit: P
Additional Code 1: D007
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565
EPA ID: CAD009150194
Inactive Date: Not reported
Create Date: 07/23/1982
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 471 MS 67
Mailing Address 2: Not reported
Mailing City,State,Zip: PITTSBURG, CA 945650000
Owner Name: USS-POSCO INDUSTRIES
Owner Address: 900 LOVERIDGE RD
Owner Address 2: Not reported
Owner City,State,Zip: PITTSBURG, CA 945652808
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: FREDDY RIPOLI/EH&S MANAGER
Contact Address: 900 LOVERIDGE RD MS67
Contact Address 2: Not reported
City,State,Zip: PITTSBURG, CA 945650000
Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Active
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 38.023356
Longitude: -121.855796

NAICS:

EPA ID: CAD009150194
Create Date: 2009-12-03 12:41:18.000
NAICS Code: 331221
NAICS Description: Rolled Steel Shape Manufacturing
Issued EPA ID Date: 1982-07-23 00:00:00
Inactive Date: Not reported
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE RD
Facility Address 2: Not reported
Facility City: PITTSBURG
Facility County: Not reported
Facility State: CA
Facility Zip: 945650000

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Database(s)

EDR ID Number
 EPA ID Number

D23
NW
1/2-1
0.550 mi.
2902 ft.
Relative:
Higher
Actual:
22 ft.

USS-POSCO INDUSTRIES
900 LOVERIDGE ROAD, MS #67
PITTSBURG, CA 94565
 Site 8 of 9 in cluster D

CORRACTS
RCRA-TSDF
RCRA-LQG
US INST CONTROLS
AST
US FIN ASSUR
2020 COR ACTION
PADS
ICIS
FTTS
HIST FTTS
US AIRS

CORRACTS:

Name: USS-UPI, LLC
 Address: 900 LOVERIDGE ROAD
 Address 2: Not reported
 EPA ID: CAD009150194
 Area Name: ENTIRE FACILITY
 Corrective Action: CMS WORKPLAN APPROVED
 Actual Date: 19991229
 Air Release Indicator: Not reported
 Groundwater Release Indicator: Not reported
 Soil Release Indicator: Not reported
 Surface Water Release Indicator: Not reported

Name: USS-UPI, LLC
 Address: 900 LOVERIDGE ROAD
 Address 2: Not reported
 EPA ID: CAD009150194
 Area Name: ENTIRE FACILITY
 Corrective Action: CMS COMPLETE
 Actual Date: 20020926
 Air Release Indicator: Not reported
 Groundwater Release Indicator: Not reported
 Soil Release Indicator: Not reported
 Surface Water Release Indicator: Not reported

Name: USS-UPI, LLC
 Address: 900 LOVERIDGE ROAD
 Address 2: Not reported
 EPA ID: CAD009150194
 Area Name: ENTIRE FACILITY
 Corrective Action: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY
 Actual Date: 20020610
 Air Release Indicator: Not reported
 Groundwater Release Indicator: Not reported
 Soil Release Indicator: Not reported
 Surface Water Release Indicator: Not reported

Name: USS-UPI, LLC
 Address: 900 LOVERIDGE ROAD
 Address 2: Not reported
 EPA ID: CAD009150194
 Area Name: ENTIRE FACILITY
 Corrective Action: CMI WORKPLAN APPROVED
 Actual Date: 20030729
 Air Release Indicator: Not reported
 Groundwater Release Indicator: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD009150194
Area Name: ENTIRE FACILITY
Corrective Action: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL
Actual Date: 19990708
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD009150194
Area Name: ENTIRE FACILITY
Corrective Action: CMS COMPLETE
Actual Date: 20020606
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD009150194
Area Name: ENTIRE FACILITY
Corrective Action: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY
Actual Date: 19990618
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD009150194
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19960703
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD009150194
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Actual Date: 19980811
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD009150194
Area Name: SWMUS 1, 6.2, 36
Corrective Action: INVESTIGATION IMPLEMENTATION BEGUN
Actual Date: 20170310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
EPA ID: CAD009150194
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19931105
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

[Click this hyperlink](#) while viewing on your computer to access
69 additional CORRACTS: record(s) in the EDR Site Report.

RCRA TSDF:

Treatment Storage and Disposal Type:	Land Disposal, Storage
Full Enforcement Universe:	Not reported
Corrective Action Workload Universe:	Yes
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal, Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
Operating TSDF Universe:	Not reported
Commercial TSD Indicator:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

Biennial: List of Years

Year: 2021

Click Here for Biennial Reporting System Data:

Year: 2019

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MAP FINDINGS

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EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

RCRA Listings:

Date Form Received by Agency:	20221214
Handler Name:	Uss-Upi, Llc
Handler Address:	900 LOVERIDGE ROAD
Handler City,State,Zip:	PITTSBURG, CA 94565-0000
EPA ID:	CAD009150194
Contact Name:	TYLER D LEE
Contact Address:	LOVERIDGE ROAD
Contact City,State,Zip:	PITTSBURG, CA 94565
Contact Telephone:	925-439-6433
Contact Fax:	Not reported
Contact Email:	TYLERLEE@USSUPI.COM
Contact Title:	ENVIRONMENTAL OPERATIONS SUPERVISOR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	LOVERIDGE ROAD
Mailing City,State,Zip:	PITTSBURG, CA 94565
Owner Name:	Corportaion Us Steel And Upi
Owner Type:	Private
Operator Name:	Uss-Upi, Llc
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No

Map ID
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Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	Yes
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPPRA Permit Baseline:	Not on the Baseline
2018 GPPRA Renewals Baseline:	Accomplished
202 GPPRA Corrective Action Baseline:	Yes
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	Yes
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20221214
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2021

Click Here for Biennial Reporting System Data:
 Year: 2019

Click Here for Biennial Reporting System Data:
 Year: 2017

Click Here for Biennial Reporting System Data:
 Year: 2015

Click Here for Biennial Reporting System Data:
 Year: 2013

Click Here for Biennial Reporting System Data:
 Year: 2011

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

[Click Here for Biennial Reporting System Data:](#)

Year: 2009

[Click Here for Biennial Reporting System Data:](#)

Year: 2007

[Click Here for Biennial Reporting System Data:](#)

Year: 2005

[Click Here for Biennial Reporting System Data:](#)

Year: 2001

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D003
Waste Description: Reactive Waste

Waste Code: D004
Waste Description: Arsenic

Waste Code: D005
Waste Description: Barium

Waste Code: D006
Waste Description: Cadmium

Waste Code: D007
Waste Description: Chromium

Waste Code: D008
Waste Description: Lead

Waste Code: D009
Waste Description: Mercury

Waste Code: D011
Waste Description: Silver

Waste Code: D018
Waste Description: Benzene

Waste Code: D035
Waste Description: Methyl Ethyl Ketone

Waste Code: D039
Waste Description: Tetrachloroethylene

Waste Code: D040
Waste Description: Trichlorethylene

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Waste Code: F002
Waste Description: The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F006
Waste Description: Wastewater Treatment Sludges From Electroplating Operations, Except From The Following Processes: (1) Sulfuric Acid Anodizing Of Aluminum; (2) Tin Plating On Carbon Steel; (3) Zinc Plating (Segregated Basis) On Carbon Steel; (4) Aluminum Or Zinc-Aluminum Plating On Carbon Steel; (5) Cleaning/Stripping Associated With Tin, Zinc, And Aluminum Plating On Carbon Steel; And (6) Chemical Etching And Milling Of Aluminum.

Waste Code: K062
Waste Description: Spent Pickle Liquor From Steel Finishing Operations Of Plants That Produce Iron Or Steel.

Waste Code: P030
Waste Description: Cyanides (Soluble Cyanide Salts), Not Otherwise Specified

Waste Code: P098
Waste Description: Potassium Cyanide (Or) Potassium Cyanide K(Cn)

Waste Code: U002
Waste Description: 2-Propanone (l) (Or) Acetone (l)

Waste Code: U151
Waste Description: Mercury

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USS-POSCO INDUSTRIES (Continued)

1000139502

Waste Code: U154
Waste Description: Methanol (l) (Or) Methyl Alcohol (l)

Waste Code: U159
Waste Description: 2-Butanone (l,T) (Or) Methyl Ethyl Ketone (Mek) (l,T)

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: USS-POSCO INDUSTRIES
Legal Status: Private
Date Became Current: 19860401
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CORPORTAION AND POSCO
Legal Status: Private
Date Became Current: 19860401
Date Ended Current: Not reported
Owner/Operator Address: 900 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 925-439-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CORPORTAION AND POSCO
Legal Status: Private
Date Became Current: 19860401
Date Ended Current: Not reported
Owner/Operator Address: 900 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 925-439-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: USX CORP. & POSCO
Legal Status: Private
Date Became Current: 19860401
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CORPORATION AND POSCO

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	900 LOVERIDGE
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	925-439-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CORPORTAION US STEEL AND UPI
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	900 LOVERIDGE ROAD
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	925-439-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	TYLERLEE@USSUPI.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	USS-POSCO INDUS
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	900 LOVERIDGE RD
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565-0471
Owner/Operator Telephone:	510-439-6093
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	USS-POSCO INDUSTRIES
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	USX CORP. AND POSCO
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	900 LOVERIDGE ROAD, MS #67
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Owner/Operator Indicator: Owner
Owner/Operator Name: USS CORPORATION AND POSCO
Legal Status: Private
Date Became Current: 19860401
Date Ended Current: Not reported
Owner/Operator Address: 900 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 925-439-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CORPORATION AND POSCO
Legal Status: Private
Date Became Current: 19860401
Date Ended Current: Not reported
Owner/Operator Address: 900 LOVERIDGE RD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 925-439-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: USS-POSCO INDUSTRIES
Legal Status: Private
Date Became Current: 19860401
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: USS-POSCO INDUSTRIES
Legal Status: Private
Date Became Current: 19860401
Date Ended Current: Not reported
Owner/Operator Address: 900 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 925-439-6000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: USS-UPI, LLC
Legal Status: Private
Date Became Current: 19860401
Date Ended Current: Not reported
Owner/Operator Address: 900 LOVERIDGE ROAD
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: 925-439-6000
Owner/Operator Telephone Ext: Not reported

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Database(s)

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USS-POSCO INDUSTRIES (Continued)

1000139502

Owner/Operator Fax:	Not reported
Owner/Operator Email:	TYLERLEE@USSUPI.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	UNITED STATES STEEL CORPORATION
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	600 GRANT STREET
Owner/Operator City,State,Zip:	CITY NOT REPORTED, PA 99999
Owner/Operator Telephone:	412-433-6012
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CORPORTAION US STEEL AND UPI
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	900 LOVERIDGE ROAD
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	925-439-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	TYLERLEE@USSUPI.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	USS-POSCO INDUSTRIES
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	USS-POSCO INDUSTRIES
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	USS-POSCO INDUSTRIES
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	900 LOVERIDGE ROAD

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	925-439-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: USS-POSCO INDUSTRIES	
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	900 LOVERIDGE ROAD, MS 67
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: USS-POSCO INDUSTRIES	
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: USS CORP & POSCO	
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 471 MS67
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: UPI	
Legal Status:	Private
Date Became Current:	19860401
Date Ended Current:	Not reported
Owner/Operator Address:	900 LOVERIDGE ROAD
Owner/Operator City,State,Zip:	PITTSBURG, CA 94565
Owner/Operator Telephone:	925-439-6000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	TYLERLEE@USSUPI.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: USS CORP. AND POSCO	
Legal Status:	Private

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Database(s)

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USS-POSCO INDUSTRIES (Continued)

1000139502

Date Became Current: 19860401
Date Ended Current: Not reported
Owner/Operator Address: 900 LOVERIDGE ROAD, MS #67
Owner/Operator City,State,Zip: PITTSBURG, CA 94565
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20100301
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120911
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140527
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160222
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

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USS-POSCO INDUSTRIES (Continued)

1000139502

Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20180227
Handler Name:	USS-POSCO INDUSTRIES
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20200301
Handler Name:	USS-POSCO INDUSTRIES
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20220222
Handler Name:	USS-UPI
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	19960901
Handler Name:	USS POSCO INDUSTRIES
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Receive Date: 19970714
Handler Name: USS POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20221214
Handler Name: USS-UPI, LLC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900412
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920331
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940428
Handler Name: USX-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

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USS-POSCO INDUSTRIES (Continued)

1000139502

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960214
Handler Name: USS POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020226
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

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USS-POSCO INDUSTRIES (Continued)

1000139502

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060203
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080225
Handler Name: USS-POSCO INDUSTRIES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 331111
NAICS Description: IRON AND STEEL MILLS

NAICS Code: 331221
NAICS Description: ROLLED STEEL SHAPE MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20200410
Actual Return to Compliance Date: 20200603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 516
Date of Enforcement Action: 20200410
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890512
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19890301
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19940701
Actual Return to Compliance Date: 19950419
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19941104
Enforcement Identifier: 008
Date of Enforcement Action: 19940701
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19940701
Actual Return to Compliance Date: 19950419
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19941104
Enforcement Identifier: 008
Date of Enforcement Action: 19940701
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19871027
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890512
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19871027
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890512
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20130228
Actual Return to Compliance Date: 20130301
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 302
Date of Enforcement Action: 20131213
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170704
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	20170808
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Releases from SWMUs
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	303
Date of Enforcement Action:	20191112
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19960923
Actual Return to Compliance Date:	19961009
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	011
Date of Enforcement Action:	19960923
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20170605
Actual Return to Compliance Date: 20170807
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 305
Date of Enforcement Action: 20170615
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890512
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19890301
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19871027
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	1600000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1600000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19881114
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1600000
Paid Amount: Not reported
Final Count: 1
Final Amount: 1600000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19871027
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1600000
Paid Amount: Not reported
Final Count: 1
Final Amount: 1600000

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Used Oil - Generators
Date Violation was Determined: 20170605
Actual Return to Compliance Date: 20170807
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 509
Date of Enforcement Action: 20170808
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19891127
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19900612
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Releases from SWMUs
Date Violation was Determined: 20170605
Actual Return to Compliance Date: 20170807
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 509
Date of Enforcement Action: 20170808
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	303
Date of Enforcement Action:	20191112
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20170515
Actual Return to Compliance Date: 20181004
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20171009
Enforcement Identifier: 602
Date of Enforcement Action: 20170515
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	1600000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1600000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	303
Date of Enforcement Action:	20191112
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19871027
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19880201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930623
Actual Return to Compliance Date: 19951010
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19930913
Enforcement Identifier: 007
Date of Enforcement Action: 19930625
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Releases from SWMUs
Date Violation was Determined: 20170605
Actual Return to Compliance Date: 20170807
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 301
Date of Enforcement Action: 20171128
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	300
Date of Enforcement Action:	20191212
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	625000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	625000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	509
Date of Enforcement Action:	20170808
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20100708
Actual Return to Compliance Date:	20100909
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	301
Date of Enforcement Action:	20100708
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20170328
Actual Return to Compliance Date: 20180913
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 20170530
Enforcement Identifier: 604
Date of Enforcement Action: 20170328
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20100708
Actual Return to Compliance Date:	20100909
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	505
Date of Enforcement Action:	20100708
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	301
Date of Enforcement Action:	20171128
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20170328
Actual Return to Compliance Date: 20181102
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20170530
Enforcement Identifier: 604
Date of Enforcement Action: 20170328
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Releases from SWMUs
Date Violation was Determined: 20220824
Actual Return to Compliance Date: 20221201
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 518
Date of Enforcement Action: 20221102
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Releases from SWMUs
Date Violation was Determined: 20170605
Actual Return to Compliance Date: 20170807
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 305
Date of Enforcement Action: 20170615
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19871027
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20170328
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	20170530
Enforcement Identifier:	604
Date of Enforcement Action:	20170328
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20130228
Actual Return to Compliance Date:	20130301
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	506
Date of Enforcement Action:	20131213
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20170605
Actual Return to Compliance Date: 20170807
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 305
Date of Enforcement Action: 20170615
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890512
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20170515
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: State
Scheduled Compliance Date: 20171009
Enforcement Identifier: 602
Date of Enforcement Action: 20170515
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19940622
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19930913
Enforcement Identifier:	007
Date of Enforcement Action:	19930625
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20170515
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	20171009
Enforcement Identifier:	602
Date of Enforcement Action:	20170515
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930623
Actual Return to Compliance Date: 19931021
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19930913
Enforcement Identifier: 007
Date of Enforcement Action: 19930625
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19950628
Actual Return to Compliance Date: 19950628
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 010
Date of Enforcement Action: 19950629
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19890301
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20200310
Actual Return to Compliance Date: 20200327
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 306
Date of Enforcement Action: 20200924
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: SINGLE SITE CA/FO
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 63000
Paid Amount: Not reported
Final Count: 1
Final Amount: 63000

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	300
Date of Enforcement Action:	20191212
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 625000
Paid Amount: Not reported
Final Count: 1
Final Amount: 625000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20180326
Actual Return to Compliance Date: 20191106
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 300
Date of Enforcement Action: 20191212
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 625000
Paid Amount: Not reported
Final Count: 1
Final Amount: 625000

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890512
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Used Oil - Generators
Date Violation was Determined: 20170605
Actual Return to Compliance Date: 20170807
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 301
Date of Enforcement Action: 20171128
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Used Oil - Generators
Date Violation was Determined: 20170605
Actual Return to Compliance Date: 20170807
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 305
Date of Enforcement Action: 20170615
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19950629
Actual Return to Compliance Date: 19951010
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19951110
Enforcement Identifier: 010
Date of Enforcement Action: 19950629
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20110707
Actual Return to Compliance Date: 20110819
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20200410
Actual Return to Compliance Date: 20200603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 309
Date of Enforcement Action: 20200410
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19871027
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940701
Actual Return to Compliance Date:	19951010
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19941104
Enforcement Identifier:	008
Date of Enforcement Action:	19940701
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1600000
Paid Amount: Not reported
Final Count: 1
Final Amount: 1600000

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Releases from SWMUs
Date Violation was Determined: 20220824
Actual Return to Compliance Date: 20221201
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 518
Date of Enforcement Action: 20221102
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20180326
Actual Return to Compliance Date: 20191106
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20180326
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19871027
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890512
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19881114
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19950629
Actual Return to Compliance Date:	19950731
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19951110
Enforcement Identifier:	010
Date of Enforcement Action:	19950629
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19930517
Actual Return to Compliance Date: 19950627
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19930913
Enforcement Identifier: 007
Date of Enforcement Action: 19930625
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	303
Date of Enforcement Action:	20191112
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19960923
Actual Return to Compliance Date:	19961009
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	011
Date of Enforcement Action:	19960923
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20170515
Actual Return to Compliance Date: 20171027
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 20171009
Enforcement Identifier: 602
Date of Enforcement Action: 20170515
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1600000
Paid Amount: Not reported
Final Count: 1
Final Amount: 1600000

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19881114
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19881114
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20170328
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: State
Scheduled Compliance Date: 20170530
Enforcement Identifier: 604
Date of Enforcement Action: 20170328
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20200410
Actual Return to Compliance Date: 20200603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 306
Date of Enforcement Action: 20200924
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: SINGLE SITE CA/FO
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 63000
Paid Amount: Not reported
Final Count: 1
Final Amount: 63000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19950629
Actual Return to Compliance Date: 19950731
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19951110
Enforcement Identifier: 010
Date of Enforcement Action: 19950629
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19940701
Actual Return to Compliance Date: 19950419
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19941104
Enforcement Identifier: 008
Date of Enforcement Action: 19940701
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	300
Date of Enforcement Action:	20191212
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	625000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	625000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20170515
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	State
Scheduled Compliance Date:	20171009
Enforcement Identifier:	602
Date of Enforcement Action:	20170515
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19891127
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19900612
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19930623
Actual Return to Compliance Date: 19950419
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19930913
Enforcement Identifier: 007
Date of Enforcement Action: 19930625
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19871027
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19880201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19881114
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19890301
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20180326
Actual Return to Compliance Date: 20191106
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 303
Date of Enforcement Action: 20191112
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19871027
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880201
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Releases from SWMUs
Date Violation was Determined:	20220824
Actual Return to Compliance Date:	20221201
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	310
Date of Enforcement Action:	20220926
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20200310
Actual Return to Compliance Date: 20200327
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 308
Date of Enforcement Action: 20200310
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1600000
Paid Amount: Not reported
Final Count: 1
Final Amount: 1600000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19891127
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	301
Date of Enforcement Action:	20171128
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19890301
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19881114
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890512
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: REFERRAL TO ATTORNEY GENERAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20180326
Actual Return to Compliance Date: 20191106
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 512
Date of Enforcement Action: 20180514
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20170515
Actual Return to Compliance Date:	20180705
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20171009
Enforcement Identifier:	602
Date of Enforcement Action:	20170515
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19900612
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1600000
Paid Amount: Not reported
Final Count: 1
Final Amount: 1600000

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20170605
Actual Return to Compliance Date: 20170807
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 509
Date of Enforcement Action: 20170808
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Releases from SWMUs
Date Violation was Determined: 20220824
Actual Return to Compliance Date: 20221201
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 310
Date of Enforcement Action: 20220926
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19891127
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19871027
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	1600000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	1600000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170704
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	305
Date of Enforcement Action:	20170615
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19891127
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19950317
Actual Return to Compliance Date:	19951010
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19950317
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19881114
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1600000
Paid Amount: Not reported
Final Count: 1
Final Amount: 1600000

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Releases from SWMUs
Date Violation was Determined:	20170605
Actual Return to Compliance Date:	20170807
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	300
Date of Enforcement Action:	20191212
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 625000
Paid Amount: Not reported
Final Count: 1
Final Amount: 625000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20200410
Actual Return to Compliance Date: 20200603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20110707
Actual Return to Compliance Date:	20110809
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19891127
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1600000
Paid Amount: Not reported
Final Count: 1
Final Amount: 1600000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19881114
Actual Return to Compliance Date:	19920203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19910906
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930623
Actual Return to Compliance Date:	19940622
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19930913
Enforcement Identifier:	007
Date of Enforcement Action:	19930625
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930623
Actual Return to Compliance Date: 19931021
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19930913
Enforcement Identifier: 007
Date of Enforcement Action: 19930625
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19871027
Actual Return to Compliance Date: 19920203
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19910906
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20200310
Actual Return to Compliance Date: 20200327
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 514
Date of Enforcement Action: 20200409
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20170328
Actual Return to Compliance Date: 20171130
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20170530
Enforcement Identifier: 604
Date of Enforcement Action: 20170328
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20170515
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: State
Scheduled Compliance Date: 20171009
Enforcement Identifier: 602
Date of Enforcement Action: 20170515
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 20200410
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20200603
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19881114
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20151216
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Former Citation:	Not reported
Evaluation Date:	20170329
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940622
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950419
Scheduled Compliance Date:	19941104
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180613
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940622
Evaluation Responsible Agency:	State
Found Violation:	Yes

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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950419
Scheduled Compliance Date:	19941104
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130228
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20130301
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170704
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170807
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960918
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19961009
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Date: 20170605
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20170807
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19881114
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20080722
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19881114
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19871027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA

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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20071004
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170515
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181004
Scheduled Compliance Date:	20171009
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20170605
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20170807
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20130412
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19871027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930503
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19951010

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USS-POSCO INDUSTRIES (Continued)

1000139502

Scheduled Compliance Date:	19930913
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170329
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Date: 20080722
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20100708
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20100909
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20170328
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20180913
Scheduled Compliance Date: 20170530
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20100708
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20100909
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20170605
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170328
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181102
Scheduled Compliance Date:	20170530
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871104
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20100618
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20221201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170328
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	20170530
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130228
Evaluation Responsible Agency:	State

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20130301
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170515
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	20171009
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151014
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

Map ID
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MAP FINDINGS

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930503
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940622
Scheduled Compliance Date:	19930913
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170515
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	20171009
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930503
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931021
Scheduled Compliance Date:	19930913
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950628
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950628
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Date: 19881114
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20200310
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20200327
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20170629
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20170605
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20170807
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20180326
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: CASE DEVELOPMENT INSPECTION
Evaluation Responsible Person Identifier: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20191106
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950628
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19951010
Scheduled Compliance Date:	19951110
Date of Request:	Not reported
Date Response Received:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110707
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20110819
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20200410
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20200603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940622
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19951010
Scheduled Compliance Date:	19941104
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20221201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	CASE DEVELOPMENT INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20191106
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203

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USS-POSCO INDUSTRIES (Continued)

1000139502

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950628
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950731
Scheduled Compliance Date:	19951110
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20200410
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20210514
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170329
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Date: 19930503
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950627
Scheduled Compliance Date: 19930913
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20170605
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20170807
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19960918
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19961009
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20091214
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20170515
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20171027
Scheduled Compliance Date: 20171009
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19881114
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20140702
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19881114
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19881114
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170328
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	20170530
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20200410
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20200603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950628
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950731
Scheduled Compliance Date:	19951110
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940622
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950419
Scheduled Compliance Date:	19941104
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170515
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	20171009
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180913
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180430
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930503
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950419
Scheduled Compliance Date:	19930913
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20191106
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20100602
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Date: 19891121
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19881114
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20180326
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: CASE DEVELOPMENT INSPECTION
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20191106
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19871027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920203
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20220824
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20221201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20200310
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20200327
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980611
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170329
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180326
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180326
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	CASE DEVELOPMENT INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20191106
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20211206
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170515
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20180705
Scheduled Compliance Date:	20171009
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910925
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040917
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Date:	20220824
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20221201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871214
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19990316
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20200603
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170704
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20211208
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20221011
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

Map ID
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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030507
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050112
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940622
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19951010
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State

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USS-POSCO INDUSTRIES (Continued)

1000139502

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220824
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170605
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20170807
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20200410
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20200603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20211207
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

Map ID
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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110707
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20110809
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891127
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20051104
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19881114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Date: 20211209
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: CUPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19951010
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930503
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19940622
Scheduled Compliance Date: 19930913
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930503
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19931021
Scheduled Compliance Date: 19930913
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19871027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA

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Database(s)

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EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920203
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20200310
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20200327
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170328
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171130
Scheduled Compliance Date:	20170530
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170515
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	20171009
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180131
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Request Agency:
Former Citation:

Not reported
Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

US INST CONTROLS:

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565-0000
EPA ID: CAD009150194
Action Name: Not reported
Action ID: Not reported
Operable Unit: Not reported
Actual Date: Not reported
Contaminated Media: Not reported
Event Code: CA772PR
Contact Name: TYLER D LEE
Contact Telephone: 925-439-6433
Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL
Federal Facility: Not reported
Fiscal Year: Not reported
NPL Status: Not reported
Superfund Alternative Agreement: Not reported
Latitude: Not reported
Longitude: Not reported

AST:

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
City/Zip: PITTSBURG,
Certified Unified Program Agencies: Contra Costa
Owner: Not reported
Total Gallons: 115,000
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

US FIN ASSUR:

Name: USS-UPI, LLC

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD009150194
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 1579000
Face value: 230321
Effective date: 2011-04-08 00:00:00
Provider: BANK OF AMERICA
EPA region: 9

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD009150194
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 7085162
Face value: 10244751
Effective date: 2016-02-01 00:00:00
Provider: GRANT ASSURANCE CORPORATION
EPA region: 9

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD009150194
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 489108
Face value: 10244751
Effective date: 2016-02-01 00:00:00
Provider: GRANT ASSURANCE CORPORATION
EPA region: 9

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD009150194
County: Not reported
Mechanism type: I
Mechanism Type Description: INSURANCE
Cost estimate: 2377695.78
Face value: 10244751
Effective date: 2016-02-01 00:00:00
Provider: GRANT ASSURANCE CORPORATION
EPA region: 9

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
EPA ID: CAD009150194
County: Not reported
Mechanism type: I

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Mechanism Type Description: INSURANCE
Cost estimate: 1579000
Face value: 1540000
Effective date: 2011-02-01 00:00:00
Provider: GRANT ASSURANCE CORPORATION
EPA region: 9

2020 COR ACTION:

EPA ID: CAD009150194
Region: 9
Action: Not reported

PADS:

Name: USS POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565
EDR ID: 1000139502
EPAID: CAD009150194
Region: 09
Generator: Y
Storer: N
Disposer: N
Transporter: N
Smelter: N
Research Facility: N
Mailing Address: PO BOX 471
Mailing Address 2: Not reported
Mailing City: PITTSBURG
Mailing State: CA
Mailing Zip: 94565
Mailing Country: US
Owner Name: USS POSCO INDUSTRIES
Certification Date: 06/04/1990
Contact Name: M J KALLERUD
Contact Title: Not reported
Contact Telephone: 415-439-6093
Contact Text: Not reported
Contact Email: Not reported

Name: USS POSCO INDUSTRIES
Address: 900 LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565
EDR ID: 1000139502
EPAID: CAD009150194
Region: 09
Generator: Y
Storer: N
Disposer: N
Transporter: N
Smelter: N
Research Facility: N
Mailing Address: PO BOX 471
Mailing Address 2: Not reported
Mailing City: PITTSBURG

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Mailing State: CA
Mailing Zip: 94565
Mailing Country: US
Owner Name: USS POSCO INDUSTRIES
Certification Date: 06/04/1990
Contact Name: MICHAEL WOOD
Contact Title: Not reported
Contact Telephone: 925-439-6119
Contact Text: Not reported
Contact Email: MICHAELWOOD@USSPOSCO.COM

ICIS:

Enforcement Action ID: CABAAA000006013A237100101
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100101
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA000006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100100
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100100
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA000006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100099
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100099
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

PITTSBURG, CA 94565
Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100072
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100072
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100071
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100071
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100068
FRS ID: 110000483450

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Action Name: USS-POSCO INDUSTRIES 06013A237100068
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565
Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100047
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100047
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565
Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100041
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100041
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565
Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Enforcement Action ID: CABAAA000006013A237100036
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100036
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100035
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100035
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100034
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100034
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100033
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100033
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA000006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100023
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100023
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA000006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100016
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100016
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100013
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100013
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100008
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100008
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Notice of Violation
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

Enforcement Action ID: CABAAA000006013A237100007
FRS ID: 110000483450
Action Name: USS-POSCO INDUSTRIES 06013A237100007
Facility Name: USS-POSCO INDUSTRIES
Facility Address: 900 LOVERIDGE ROAD
PITTSBURG, CA 94565

Enforcement Action Type: Administrative Order
Facility County: CONTRA COSTA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAA00

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Facility SIC Code: 3312
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 38.027981
Longitude in Decimal Degrees: -121.872765
Permit Type Desc: Not reported
Program System Acronym: CABAA00006013A2371
Facility NAICS Code: 324199
Tribal Land Code: Not reported

FTTS INSP:

Inspection Number: 1987110404037 1
Region: 09
Inspection Date: 11/04/87
Inspector: SCHULTZ
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:

Inspection Number: 1987110404037 1
Region: 09
Inspection Date: Not reported
Inspector: SCHULTZ
Violation occurred: Yes
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

US AIRS (AFS):

Region Code: 09
County Code: CA013
Programmatic ID: AIR CABAA00006013A2371
Facility Registry ID: 110000483450
D and B Number: Not reported
Facility Site Name: USS-POSCO INDUSTRIES
Primary SIC Code: 3312
NAICS Code: 324199
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):

Region Code: 09
Programmatic ID: AIR CABAA00006013A2371
Facility Registry ID: 110000483450
Air Operating Status Code: OPR
Default Air Classification Code: MAJ

Air Program: Title V Permits

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Activity Date: 2015-07-21 00:00:00
Activity Status Date: 2016-07-28 12:17:35
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Air Program: Title V Permits
Activity Date: 2009-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-06-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2009-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-12-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2008-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-12-04 00:00:00

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-09-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-05-16 00:00:00
Activity Status Date: 2007-05-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2007-04-04 00:00:00
Activity Status Date: 2007-04-04 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2007-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2007-02-23 00:00:00
Activity Status Date: 2007-02-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2007-01-11 00:00:00
Activity Status Date: 2007-01-11 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2006-12-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-10-06 00:00:00
Activity Status Date: Not reported

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-04-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2006-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2005-12-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2004-12-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2004-12-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2004-06-03 00:00:00
Activity Status Date: 2004-06-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 2004-04-21 00:00:00
Activity Status Date: 2004-04-21 00:00:00
Activity Group: Enforcement Action

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 2003-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 2001-08-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2001-08-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 1999-09-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Air Program: Title V Permits
Activity Date: 1997-05-01 00:00:00
Activity Status Date: 1997-05-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 1997-02-25 00:00:00
Activity Status Date: 1997-02-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-07-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-03-05 00:00:00
Activity Status Date: 1996-03-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-12-28 00:00:00
Activity Status Date: 1995-12-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-05-01 00:00:00
Activity Status Date: 1995-05-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 1995-05-01 00:00:00
Activity Status Date: 1995-05-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-04-19 00:00:00
Activity Status Date: 1995-04-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: Title V Permits
Activity Date: 1995-04-12 00:00:00
Activity Status Date: 1995-04-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Air Program: Title V Permits
Activity Date: 1995-03-31 00:00:00
Activity Status Date: 1995-03-31 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1995-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

1000139502

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
 Activity Date: 1995-02-02 00:00:00
 Activity Status Date: Not reported
 Activity Group: Compliance Monitoring
 Activity Type: Inspection/Evaluation
 Activity Status: Not reported

Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
 Activity Date: 1994-07-06 00:00:00
 Activity Status Date: Not reported
 Activity Group: Compliance Monitoring
 Activity Type: Inspection/Evaluation
 Activity Status: Not reported

Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
 Activity Date: 1994-07-06 00:00:00
 Activity Status Date: Not reported
 Activity Group: Compliance Monitoring
 Activity Type: Inspection/Evaluation
 Activity Status: Not reported

**D24
 NW
 1/2-1
 0.550 mi.
 2902 ft.
 Relative:
 Higher
 Actual:
 22 ft.**

**USS-POSCO INDUSTRIES
 900 LOVERIDGE ROAD
 PITTSBURG, CA 94565
 Site 9 of 9 in cluster D**

**AST S100925064
 Toxic Pits N/A
 CERS HAZ WASTE
 CERS TANKS
 DEED
 PFAS
 EMI
 CERS
 NON-CASE INFO**

AST:
 Name: USS-POSCO INDUSTRIES
 Address: 900 LOVERIDGE ROAD
 City/Zip: PITTSBURG,94565
 Certified Unified Program Agencies: Not reported
 Owner: USS-POSCO Industries
 Total Gallons: Not reported
 CERSID: 10019722
 Facility ID: 07-000-702263
 Business Name: USS-POSCO Industries
 Phone: 925-439-6000
 Fax: 925-439-6706
 Mailing Address: P.O. Box 471 or 900 Loveridge Road MS 67
 Mailing Address City: Pittsburg
 Mailing Address State: CA
 Mailing Address Zip Code: 94565
 Operator Name: USS-POSCO Industries
 Operator Phone: 925-439-6000
 Owner Phone: (925) 439-6000
 Owner Mail Address: 900 Loveridge Road
 Owner State: CA
 Owner Zip Code: 94565
 Owner Country: United States
 Property Owner Name: Not reported
 Property Owner Phone: Not reported
 Property Owner Mailing Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CAD009150194

TOXIC PITS:

Region: 02
Task #: 82016
Owner: U.S. STEEL POSCO
1/2 Mi Limit: N
Num. of Pits: 6
Cease Discharge Due: 06/30/90
Cease Discharge Complete: 05/28/91
Closure Due: / /
Closure Completed: 07/18/91
Status: CLOSED
Hydro Geological Assessment Report Due: / /
Final Hydro Geological Assessment Review Completed: / /

CERS HAZ WASTE:

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 405222
CERS ID: 10019722
CERS Description: RCRA LQ HW Generator

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 405222
CERS ID: 10019722
CERS Description: Hazardous Chemical Management

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 405222
CERS ID: 10019722
CERS Description: Hazardous Waste Generator

CERS TANKS:

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 405222
CERS ID: 10019722
CERS Description: Underground Storage Tank

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 405222
CERS ID: 10019722
CERS Description: Aboveground Petroleum Storage

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

DEED:

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Envirostor ID: Not reported
Area: Not reported
Sub Area: Not reported
Site Type: Land Use Restrictions
Status: Not reported
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: HWMP Restrictions

PFAS:

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: T10000013419
Facility Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: FSS-01
Matrix: Solid
Chemical: 8:2FTS
Qualifier: ND
Value: 0
Reporting Limit: 3
Detection Limit: 0.6
Lab Notes: Not reported
Quarterly Running Annual Average: 0
Units: UG/KG
Date: 5/25/2021
Field Pt Class: SUR
Site Use: Industrial - Chrome Plating
Site Type: Non-Case Information
Latitude: 38.02471833
Longitude: -121.87009667
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Name:	ROLL TECHNOLOGY WEST
Address:	900 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	T10000013419
Facility Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	SW-01
Matrix:	Liquid
Chemical:	NETFOSAA
Qualifier:	<
Value:	0.4
Reporting Limit:	2.4
Detection Limit:	0.4
Lab Notes:	BU
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	12/13/2021
Field Pt Class:	SUR
Site Use:	Industrial - Chrome Plating
Site Type:	Non-Case Information
Latitude:	38.02471833
Longitude:	-121.87009667
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419
Name:	ROLL TECHNOLOGY WEST
Address:	900 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	T10000013419
Facility Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: SS-01
Matrix: Solid
Chemical: PFHPSA
Qualifier: ND
Value: 0
Reporting Limit: 0.79
Detection Limit: 0.26
Lab Notes: Not reported
Quarterly Running Annual Average: 0
Units: UG/KG
Date: 5/25/2021
Field Pt Class: SUR
Site Use: Industrial - Chrome Plating
Site Type: Non-Case Information
Latitude: 38.02471833
Longitude: -121.87009667
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: T10000013419
Facility Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: FSS-01
Matrix: Solid
Chemical: NMEFOSAA
Qualifier: ND
Value: 0
Reporting Limit: 2
Detection Limit: 0.2
Lab Notes: Not reported
Quarterly Running Annual Average: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Units: UG/KG
Date: 5/25/2021
Field Pt Class: SUR
Site Use: Industrial - Chrome Plating
Site Type: Non-Case Information
Latitude: 38.02471833
Longitude: -121.87009667
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: T10000013419
Facility Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: SW-01
Matrix: Liquid
Chemical: PFTRIDA
Qualifier: <
Value: 0.39
Reporting Limit: 1.6
Detection Limit: 0.39
Lab Notes: Not reported
Quarterly Running Annual Average: 0
Units: NG/L
Date: 12/13/2021
Field Pt Class: SUR
Site Use: Industrial - Chrome Plating
Site Type: Non-Case Information
Latitude: 38.02471833
Longitude: -121.87009667
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	T10000013419
Facility Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	SS-02
Matrix:	Solid
Chemical:	PFHPA
Qualifier:	=
Value:	1.1
Reporting Limit:	0.67
Detection Limit:	0.22
Lab Notes:	Not reported
Quarterly Running Annual Average:	0
Units:	UG/KG
Date:	5/25/2021
Field Pt Class:	SUR
Site Use:	Industrial - Chrome Plating
Site Type:	Non-Case Information
Latitude:	38.02471833
Longitude:	-121.87009667
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419
Name:	ROLL TECHNOLOGY WEST
Address:	900 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	T10000013419
Facility Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Location ID: SS-03
Matrix: Solid
Chemical: PFOA
Qualifier: ND
Value: 0
Reporting Limit: 0.63
Detection Limit: 0.21
Lab Notes: Not reported
Quarterly Running Annual Average: 0
Units: UG/KG
Date: 5/25/2021
Field Pt Class: SUR
Site Use: Industrial - Chrome Plating
Site Type: Non-Case Information
Latitude: 38.02471833
Longitude: -121.87009667
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: T10000013419
Facility Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: SW-01
Matrix: Liquid
Chemical: PFHA
Qualifier: =
Value: 4
Reporting Limit: 1.6
Detection Limit: 0.4
Lab Notes: BU
Quarterly Running Annual Average: 0
Units: NG/L
Date: 12/13/2021
Field Pt Class: SUR
Site Use: Industrial - Chrome Plating
Site Type: Non-Case Information
Latitude: 38.02471833
Longitude: -121.87009667

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: T10000013419
Facility Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: SW-01
Matrix: Liquid
Chemical: 8:2FTS
Qualifier: <
Value: 0.79
Reporting Limit: 2.4
Detection Limit: 0.79
Lab Notes: Not reported
Quarterly Running Annual Average: 0
Units: NG/L
Date: 12/13/2021
Field Pt Class: SUR
Site Use: Industrial - Chrome Plating
Site Type: Non-Case Information
Latitude: 38.02471833
Longitude: -121.87009667

Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: T10000013419
Facility Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	CSW-01
Matrix:	Liquid
Chemical:	PFBSA
Qualifier:	=
Value:	0.67
Reporting Limit:	1.6
Detection Limit:	0.41
Lab Notes:	J,DX
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	5/25/2021
Field Pt Class:	IS
Site Use:	Industrial - Chrome Plating
Site Type:	Non-Case Information
Latitude:	38.02471833
Longitude:	-121.87009667
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419
Name:	ROLL TECHNOLOGY WEST
Address:	900 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	T10000013419
Facility Region:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	SW-01
Matrix:	Liquid
Chemical:	PFDOA
Qualifier:	<
Value:	0.4
Reporting Limit:	1.6
Detection Limit:	0.4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Lab Notes: BU
Quarterly Running Annual Average: 0
Units: NG/L
Date: 12/13/2021
Field Pt Class: SUR
Site Use: Industrial - Chrome Plating
Site Type: Non-Case Information
Latitude: 38.02471833
Longitude: -121.87009667
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419

[Click this hyperlink](#) while viewing on your computer to access
287 additional CA PFAS: record(s) in the EDR Site Report.

EMI:

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1987
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 25
Reactive Organic Gases Tons/Yr: 14
Carbon Monoxide Emissions Tons/Yr: 20
NOX - Oxides of Nitrogen Tons/Yr: 81
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 237
Part. Matter 10 Micrometers and Smlr Tons/Yr:203

Name: PORI INTERNATIONAL INC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1990
County Code: 7
Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

City,State,Zip: PITTSBURG, CA 94565
Year: 1990
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 63
Reactive Organic Gases Tons/Yr: 32
Carbon Monoxide Emissions Tons/Yr: 26
NOX - Oxides of Nitrogen Tons/Yr: 117
SOX - Oxides of Sulphur Tons/Yr: 3
Particulate Matter Tons/Yr: 330
Part. Matter 10 Micrometers and Smllr Tons/Yr:285

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1995
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 17
Reactive Organic Gases Tons/Yr: 11
Carbon Monoxide Emissions Tons/Yr: 13
NOX - Oxides of Nitrogen Tons/Yr: 34
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 18
Part. Matter 10 Micrometers and Smllr Tons/Yr:15

Name: PORI INTERNATIONAL INC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1995
County Code: 7
Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Name: PORI INTERNATIONAL INC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1996
County Code: 7
Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1996
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 25
Reactive Organic Gases Tons/Yr: 17
Carbon Monoxide Emissions Tons/Yr: 12
NOX - Oxides of Nitrogen Tons/Yr: 24
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 18
Part. Matter 10 Micrometers and Smlr Tons/Yr:15

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1997
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 32
Reactive Organic Gases Tons/Yr: 20
Carbon Monoxide Emissions Tons/Yr: 18
NOX - Oxides of Nitrogen Tons/Yr: 48
SOX - Oxides of Sulphur Tons/Yr: 0

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USS-POSCO INDUSTRIES (Continued)

S100925064

Particulate Matter Tons/Yr: 22
Part. Matter 10 Micrometers and Smllr Tons/Yr:18

Name: PORI INTERNATIONAL INC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1997
County Code: 7
Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1998
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20
Reactive Organic Gases Tons/Yr: 15
Carbon Monoxide Emissions Tons/Yr: 22
NOX - Oxides of Nitrogen Tons/Yr: 60
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 22
Part. Matter 10 Micrometers and Smllr Tons/Yr:17

Name: US FILTER
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1998
County Code: 7
Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1

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USS-POSCO INDUSTRIES (Continued)

S100925064

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: US FILTER
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1999
County Code: 7
Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1999
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 20
Carbon Monoxide Emissions Tons/Yr: 23
NOX - Oxides of Nitrogen Tons/Yr: 61
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 23
Part. Matter 10 Micrometers and Smllr Tons/Yr:18

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2000
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

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USS-POSCO INDUSTRIES (Continued)

S100925064

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 23
Reactive Organic Gases Tons/Yr: 20
Carbon Monoxide Emissions Tons/Yr: 23
NOX - Oxides of Nitrogen Tons/Yr: 61
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 23
Part. Matter 10 Micrometers and Smllr Tons/Yr:18

Name: US FILTER
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2000
County Code: 7
Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: US FILTER
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2001
County Code: 7
Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2001
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA

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USS-POSCO INDUSTRIES (Continued)

S100925064

SIC Code: 3356
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 17
Reactive Organic Gases Tons/Yr: 14
Carbon Monoxide Emissions Tons/Yr: 15
NOX - Oxides of Nitrogen Tons/Yr: 48
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 17
Part. Matter 10 Micrometers and Smllr Tons/Yr:13

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2002
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2002
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20
Reactive Organic Gases Tons/Yr: 17
Carbon Monoxide Emissions Tons/Yr: 20
NOX - Oxides of Nitrogen Tons/Yr: 56
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 24
Part. Matter 10 Micrometers and Smllr Tons/Yr:19

Name: US FILTER
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2002
County Code: 7

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USS-POSCO INDUSTRIES (Continued)

S100925064

Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: US FILTER
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2003
County Code: 7
Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2003
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20
Reactive Organic Gases Tons/Yr: 16
Carbon Monoxide Emissions Tons/Yr: 20
NOX - Oxides of Nitrogen Tons/Yr: 60
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 23
Part. Matter 10 Micrometers and Smllr Tons/Yr:18

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD

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USS-POSCO INDUSTRIES (Continued)

S100925064

City,State,Zip: PITTSBURG, CA 94565
Year: 2004
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2004
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20.847
Reactive Organic Gases Tons/Yr: 16.7908999
Carbon Monoxide Emissions Tons/Yr: 19.866
NOX - Oxides of Nitrogen Tons/Yr: 57.211
SOX - Oxides of Sulphur Tons/Yr: 0.272
Particulate Matter Tons/Yr: 20.241
Part. Matter 10 Micrometers and Smllr Tons/Yr:15.6972295

Name: US FILTER
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2004
County Code: 7
Air Basin: SF
Facility ID: 5689
Air District Name: BA
SIC Code: 3589
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.941
Reactive Organic Gases Tons/Yr: 0.8729364
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.014
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.0126

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USS-POSCO INDUSTRIES (Continued)

S100925064

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2005
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2005
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 21.916
Reactive Organic Gases Tons/Yr: 17.996086
Carbon Monoxide Emissions Tons/Yr: 17.652
NOX - Oxides of Nitrogen Tons/Yr: 49.884
SOX - Oxides of Sulphur Tons/Yr: .241
Particulate Matter Tons/Yr: 17.927
Part. Matter 10 Micrometers and Smlr Tons/Yr:13.816708

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2006
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0

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S100925064

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2006
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19.654
Reactive Organic Gases Tons/Yr: 16.6151228
Carbon Monoxide Emissions Tons/Yr: 19.374
NOX - Oxides of Nitrogen Tons/Yr: 54.197
SOX - Oxides of Sulphur Tons/Yr: .254
Particulate Matter Tons/Yr: 18.621
Part. Matter 10 Micrometers and Smllr Tons/Yr:14.2594745

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 93304
Year: 2007
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 25.818
Reactive Organic Gases Tons/Yr: 22.7092355
Carbon Monoxide Emissions Tons/Yr: 19.85
NOX - Oxides of Nitrogen Tons/Yr: 56.252
SOX - Oxides of Sulphur Tons/Yr: .262
Particulate Matter Tons/Yr: 18.715
Part. Matter 10 Micrometers and Smllr Tons/Yr:14.330843

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2007
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0

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USS-POSCO INDUSTRIES (Continued)

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Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2008
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2008
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 22.498
Reactive Organic Gases Tons/Yr: 19.5605122
Carbon Monoxide Emissions Tons/Yr: 16.652
NOX - Oxides of Nitrogen Tons/Yr: 46.936
SOX - Oxides of Sulphur Tons/Yr: .221
Particulate Matter Tons/Yr: 45.638
Part. Matter 10 Micrometers and Smllr Tons/Yr:33.1987685

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2009
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

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USS-POSCO INDUSTRIES (Continued)

S100925064

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2009
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 13.166
Reactive Organic Gases Tons/Yr: 10.946560699999999
Carbon Monoxide Emissions Tons/Yr: 11.786
NOX - Oxides of Nitrogen Tons/Yr: 34.981000000000002
SOX - Oxides of Sulphur Tons/Yr: 0.155
Particulate Matter Tons/Yr: 15.410026749678099
Part. Matter 10 Micrometers and Smllr Tons/Yr:12.034675

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2010
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9.9570000000000007
Reactive Organic Gases Tons/Yr: 7.5099092000000001
Carbon Monoxide Emissions Tons/Yr: 18.052
NOX - Oxides of Nitrogen Tons/Yr: 57.479999999999997
SOX - Oxides of Sulphur Tons/Yr: 0.25
Particulate Matter Tons/Yr: 21.182230551804999
Part. Matter 10 Micrometers and Smllr Tons/Yr:16.116921000000001

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2010
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA

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USS-POSCO INDUSTRIES (Continued)

S100925064

SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2011
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 9.006
Reactive Organic Gases Tons/Yr: 6.6901815
Carbon Monoxide Emissions Tons/Yr: 17.662
NOX - Oxides of Nitrogen Tons/Yr: 56.975
SOX - Oxides of Sulphur Tons/Yr: 0.233
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2011
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2012
County Code: 7

Map ID
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USS-POSCO INDUSTRIES (Continued)

S100925064

Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2012
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8.915
Reactive Organic Gases Tons/Yr: 6.6517613
Carbon Monoxide Emissions Tons/Yr: 17.25
NOX - Oxides of Nitrogen Tons/Yr: 55.322
SOX - Oxides of Sulphur Tons/Yr: 0.226
Particulate Matter Tons/Yr: 18.111047255
Part. Matter 10 Micrometers and Smlr Tons/Yr:13.536

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2013
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8.048
Reactive Organic Gases Tons/Yr: 6.7602253
Carbon Monoxide Emissions Tons/Yr: 13.86
NOX - Oxides of Nitrogen Tons/Yr: 52.089
SOX - Oxides of Sulphur Tons/Yr: 0.223
Particulate Matter Tons/Yr: 21.113
Part. Matter 10 Micrometers and Smlr Tons/Yr:13.764

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD

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USS-POSCO INDUSTRIES (Continued)

S100925064

City,State,Zip: PITTSBURG, CA 94565
Year: 2013
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2014
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2.7045e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:1.7119e-005

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2014
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 13.773390891
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 12.846848349
NOX - Oxides of Nitrogen Tons/Yr: 50.602391585
SOX - Oxides of Sulphur Tons/Yr: 0.205651978
Particulate Matter Tons/Yr: 19.88746127
Part. Matter 10 Micrometers and Smllr Tons/Yr:13.015640955

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USS-POSCO INDUSTRIES (Continued)

S100925064

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2015
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2.1725e-005
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.3752e-005

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2015
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19.077002375
Reactive Organic Gases Tons/Yr: 18.223841951
Carbon Monoxide Emissions Tons/Yr: 15.633703571
NOX - Oxides of Nitrogen Tons/Yr: 52.51137376
SOX - Oxides of Sulphur Tons/Yr: 0.253735621
Particulate Matter Tons/Yr: 24.171880517
Part. Matter 10 Micrometers and Smlr Tons/Yr:15.755773693

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2016
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: Not reported
Reactive Organic Gases Tons/Yr: Not reported
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported

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USS-POSCO INDUSTRIES (Continued)

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Particulate Matter Tons/Yr: 2.1967e-005
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.3905e-005

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2016
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 10.194467053
Reactive Organic Gases Tons/Yr: 8.9469675511
Carbon Monoxide Emissions Tons/Yr: 14.263354583
NOX - Oxides of Nitrogen Tons/Yr: 48.395904889
SOX - Oxides of Sulphur Tons/Yr: 0.230720881
Particulate Matter Tons/Yr: 23.795980102
Part. Matter 10 Micrometers and Smlr Tons/Yr:15.482120662

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2017
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: Not reported
Reactive Organic Gases Tons/Yr: Not reported
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 2.1103e-005
Part. Matter 10 Micrometers and Smlr Tons/Yr:1.3358e-005

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2017
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 11.690939039
Reactive Organic Gases Tons/Yr: 10.547806822

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USS-POSCO INDUSTRIES (Continued)

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Carbon Monoxide Emissions Tons/Yr: 6.012457816
NOX - Oxides of Nitrogen Tons/Yr: 23.380984385
SOX - Oxides of Sulphur Tons/Yr: 0.096453845
Particulate Matter Tons/Yr: 23.324410802
Part. Matter 10 Micrometers and Smllr Tons/Yr:14.957898359

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2018
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 11.732415705
Reactive Organic Gases Tons/Yr: 10.369481981
Carbon Monoxide Emissions Tons/Yr: 14.893591417
NOX - Oxides of Nitrogen Tons/Yr: 51.061820531
SOX - Oxides of Sulphur Tons/Yr: 0.241413154
Particulate Matter Tons/Yr: 16.38050862
Part. Matter 10 Micrometers and Smllr Tons/Yr:10.781716221

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2018
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: Not reported
Reactive Organic Gases Tons/Yr: Not reported
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 1.863e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:1.1793e-005

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2019
County Code: 7
Air Basin: SF
Facility ID: 2371
Air District Name: BA
SIC Code: 3312
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

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USS-POSCO INDUSTRIES (Continued)

S100925064

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5.869489261
Reactive Organic Gases Tons/Yr: 4.8619311522
Carbon Monoxide Emissions Tons/Yr: 10.841254515
NOX - Oxides of Nitrogen Tons/Yr: 40.319413734
SOX - Oxides of Sulphur Tons/Yr: 0.175612938
Particulate Matter Tons/Yr: 12.714937713
Part. Matter 10 Micrometers and Smllr Tons/Yr:8.392719778

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2019
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: Not reported
Reactive Organic Gases Tons/Yr: Not reported
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 2.1281e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:1.3471e-005

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2020
County Code: 7
Air Basin: SF
Facility ID: 7546
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: Not reported
Reactive Organic Gases Tons/Yr: Not reported
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 1.9633e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:1.2428e-005

CERS:

Name: USS-UPI, LLC
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 405222
CERS ID: 10019722
CERS Description: Chemical Storage Facilities

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USS-POSCO INDUSTRIES (Continued)

S100925064

Violations:
Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to engineer or update each container installation to avoid discharges by providing at least one of the following devices: 1. An audible or visual high liquid level alarm. 2. High liquid level pump cutoff devices. 3. Audible or code signal communications between tank gauger and pumping station. 4. A fast response system for determining liquid levels, such as computers, telepulse or direct vision gauges.
Violation Notes: Returned to compliance on 05/09/2019.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 12-16-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/17/2016. 177.834 OIL TRANSFER
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-03-2013
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/23/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-06-2016
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes: Returned to compliance on 06/06/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-20-2021

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USS-POSCO INDUSTRIES (Continued)

S100925064

Citation: 23 CCR 16 2712(b)(1)(F) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(F)

Violation Description: "Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test of the secondary containment system upon installation, within six months of installation and every 36 months thereafter. Perform the test of a secondary containment component within 30 days of a repair or discontinuing vacuum, pressure or hydrostatic monitoring. Use a procedure that demonstrates the system works as well as at installation. Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval. Performed by a certified service technician. Maintain records of secondary containment testing for 36 months."

Violation Notes: Returned to compliance on 05/23/2021. "OBSERVATION: Facility has failed to do one of the following: 1) Conduct tightness testing of secondary containment at least once every 36 months 2) Underground storage tank owners and operators shall submit a copy of the Secondary Containment Testing Report Form to the local agency within 30 days of the completion of the secondary containment test. 3) The owner or operator shall notify the local agency at least 48 hours prior to conducting the secondary containment test. CORRECTIVE ACTION: Notify CCHSHMP of the Secondary Containment Testing date within 48 hours notice and/or Submit a completed Secondary Containment Testing Report Form to CCHSHMP within 30 days of the testing date."=

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 08-26-1987
Citation: 02002 - Search Title 8 regulations for 19260350 J at <https://www.dir.ca.gov/title8/index/T8index.asp>

Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 07-07-2011
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
RCRA Large Quantity Generator Program - Administration/Documentation - General

Violation Description: Returned to compliance on 08/19/2011.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-19-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to conduct spill prevention briefing for oil-handling

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USS-POSCO INDUSTRIES (Continued)

S100925064

personnel at least once a year to assure adequate understanding of the SPCC Plan.
Returned to compliance on 05/30/2017.
Violation Notes: Contra Costa County Health Services Department
Violation Division: APSA
Violation Program: CERS,
Violation Source:

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-16-1988
Citation: 02002 - Search Title 8 regulations for 19260451 I11 at <https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator - Training - General
Violation Notes: Returned to compliance on 12/13/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to conduct spill prevention briefing for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan.
Violation Notes: Returned to compliance on 05/30/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container, and either the type of oil and storage capacity for each mobile or portable container, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities.
Violation Notes: Returned to compliance on 02/06/2019.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

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USS-POSCO INDUSTRIES (Continued)

S100925064

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 11-04-2016
Citation: 01001 - Search Title 8 regulations for 3380(F)(1) at <https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/27/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-25-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 06/26/2019. OBSERVATION: The designated operator failed to complete the designated operator inspection reports every 30 days as required. There was only one DO report between date ranges 12/21 and 2/8 as well as 5/21 and 6/25. CORRECTIVE ACTION: Ensure that designated operators performing monthly inspections at this facility are including all of the required information on the reports. Locate missing reports or provide a statement to the CUPA that you will ensure that DO testing is performed within the required time frame.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

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USS-POSCO INDUSTRIES (Continued)

S100925064

Site Name: USS-UPI, LLC
Violation Date: 02-14-1989
Citation: 01002 - Search Title 8 regulations for 19040007 at <https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 09/13/2018. OBSERVATION: Used oil filters were discovered in an oily debris bin that is managed as a non-hazardous waste. Used Oil Filters must be either managed as hazardous waste or as excluded recyclable material for drained metal filters. CORRECTIVE ACTION: Facility corrected this on site during the September 13, 2018 inspection.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-19-2017
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 06/04/2019. 23CCR 2662(b)2631(b)
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-02-2017
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/09/2019.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to include in the SPCC plan and document discharge prevention

Map ID
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USS-POSCO INDUSTRIES (Continued)

S100925064

briefings for oil-handling personnel at least once a year, including, but not limited to, known discharges, failures, and malfunctioning components.
Violation Notes: Returned to compliance on 05/30/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-05-2013
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 06/06/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/06/2019. HW26-ETL#3
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to ensure drainage from diked storage areas is restrained by valves, except where facility systems are designed to control such discharge, or failure to ensure manually activated pumps or ejectors are used and the condition of the accumulation is inspected prior to draining dike.
Violation Notes: Returned to compliance on 02/06/2019. OBSERVATION: There are 3 single wall tanks storing petroleum products in a bermed area outside the garage. The bermed area drains directly to a pit. The pit had liquid in it with a visible sheen. The facility does not check the bermed area prior to the liquid draining to the pit. CORRECTIVE ACTION: By 11/2/2018, the facility must implement controls to restrain the liquid in the bermed area from going to the pit and procedures for staff to inspect the condition of the liquid in the bermed area prior to releasing the liquid. The facility must keep a diked drainage log to document these activities.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-02-2017

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USS-POSCO INDUSTRIES (Continued)

S100925064

Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to include in the SPCC Plan an adequate facility diagram, or no facility diagram included. The facility diagram is not required on a Tier I qualified facility SPCC Plan.
Violation Notes: Returned to compliance on 11/16/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-14-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/13/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-19-2020
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes: Returned to compliance on 09/09/2020. OBSERVATION: Owner/Operator failed to meet one or more of the following spill container requirements: install or maintain spill container which is liquid-tight, has a minimum capacity of five gallons, has a functional drain valve or other method for the removal of liquid from the spill container, and is resistant to galvanic corrosion; did not perform tightness test at installation, every 12 months thereafter, or within 30 days after a repair; did not have tested using manufacturer's guidelines, industry codes, engineering standards, or method approved by PE, or was not tested by a certified UST service technician; or failed to maintain testing records for 36 months. Diesel spill bucket did not pass testing, tester expects that the leak may be at the nipple. Tester was unable to pour 5gallons into Gasoline Spill Bucket, and the bucket did not hold the liquid, liquid decreased above the fill cap. CORRECTIVE ACTION: Install or repair spill buckets to meet all of the [Truncated]
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222

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USS-POSCO INDUSTRIES (Continued)

S100925064

Site Name: USS-UPI, LLC
Violation Date: 05-19-2017
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes: Returned to compliance on 06/08/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-02-2017
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 06/29/2017. HSC 25283.5 - WEEKLY INSPECTIONS FOR EXEMPT
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-05-2013
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/03/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/25/2020. HW46
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-14-1987
Citation: 02005 - Search Title 8 regulations for 19260405 G02 III at <https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported

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USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-04-2015
Citation: Un-Specified
Violation Description: UST Program - Operations/Maintenance - For use of Local Ordinance only.
Violation Notes: Returned to compliance on 08/06/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/20/2017. HW34
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/13/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-19-2020
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30

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USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Notes: days.
Returned to compliance on 06/19/2020. OBSERVATION: Facility did not comply with one or more of the following DO monthly inspection requirements: Performed by an ICC certified DO; Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy; Inspect for the presence of liquid/debris in spill containers; Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly; Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit; Check that all testing and maintenance has been completed and documented; Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(c). DO inspections conducted after 9/30/2018 must be every 30 days and in accordance with sections 2716(a)-(e). Facilities reports that their longstanding designated Operator moved out of the area, and as a result there is no January Designated Operator [Truncated]

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator - Abandonment/Illegal Disposal/Unauthorized Treatment - General

Violation Notes: Returned to compliance on 09/18/2020. OBSERVATION: During the July 5, 2018 meeting facility provided adequate documentation to clarify different processes occurring on and around the CRU pad/berm. On July 11, 2018 facility provided a Recyclable Materials Report for ERM #3 Pickle Liquor Solution and claims HSC 25143.2(c)(2) for this waste stream. This code section requires that the facility comply with all hazardous waste generator requirements to maintain its exemption from requiring an authorization (permit) for treatment. This includes documentation showing that no waste is held on site prior to treatment for more than 90 days, as well as Hazardous Waste Tank assessments for all hazardous waste tanks including T43 & T42. Facility identified T43 & T42 as a tank requiring a hazardous waste tank assessment in their November 2, 2018 email. CORRECTIVE ACTION: Provide a description of how facility documents accumulation time for the waste prior to treatment to ensure waste is not on site for more than 90 days [Truncated]

Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-10-1987
Citation: 02003 - Search Title 8 regulations for 19260550 A12 at <https://www.dir.ca.gov/title8/index/T8index.asp>

Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA

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USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-25-2019
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2

Violation Description: "Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: Returned to compliance on 06/28/2019. OBSERVATION: Owner/Operator failed to meet spill container requirement of maintaining a spill container which is liquid-tight. Both the Diesel and Gasoline buckets did not contain liquid. CORRECTIVE ACTION: Install or repair spill buckets to meet all of the listed requirements, have tightness tested using approved method, by certified UST service technician, and submit documentation to verify compliance. Maintain all testing records for 36 months.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 08-25-1987
Citation: 01003 - Search Title 8 regulations for 19260050 F at <https://www.dir.ca.gov/title8/index/T8index.asp>

Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-05-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a site map with all required content.

Violation Notes: Returned to compliance on 03/27/2020. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP

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USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-02-2022
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 06/02/2022. OBSERVATION: The diesel interstitial wrap around sensor failed to activate an audible and visual alarm when tested to ensure continuous monitoring of the tank system. All monitoring equipment shall be maintained to activate an audible and visual alarm or stop the flow of product at the dispenser when it detects a leak. The diesel tank secondary sensor failed to activate an audible and visual alarm when tested to ensure continuous monitoring of the tank system. All monitoring equipment shall be maintained to activate an audible and visual alarm when it detects a leak. The sensor was cleaned and retested during the inspection. CORRECTIVE ACTION: Corrected by the AMC technician at the time of inspection, no further action is required.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-19-2017
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitor at least hourly. Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 06/08/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-04-2015
Citation: Un-Specified
Violation Description: UST Program - Training - For use of Local Ordinance only.
Violation Notes: Returned to compliance on 08/06/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 08-28-2001
Citation: 02001 - Search Title 8 regulations for 1670 B10 at <https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported

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USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to ensure loading/unloading rack drainage flows to catchment basin or treatment facility designed to handle discharges, or use a quick drainage system when a tank car or tank truck loading/unloading rack is present at the facility. The containment system must be designed to hold at least the maximum capacity of any single compartment of a tank car or tank truck loaded or unloaded at the facility.
Violation Notes: Returned to compliance on 01/31/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards.
Violation Notes: Returned to compliance on 02/06/2019. OBSERVATION: The pit associated with the 3 single walled tanks storing petroleum in the garage area are not inspected as part of the monthly inspection. CORRECTIVE ACTION: By 11/2/2018, ensure all qualifying oil and associated piping, including the pit in the garage area are being inspected monthly with documented inspections.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 02-13-2019
Citation: 22 CCR 15 66265.192(h) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(h)
Violation Description: Failure of generator to obtain assessment or reassessment every five (5) years or the remaining service life of the tank system, as stated in the engineer's assessment, whichever is less. This assessment applies to onground or aboveground tank systems containing only non-RCRA hazardous wastes generated onsite, or for a small quantity generator onground or aboveground tank systems containing RCRA hazardous wastes generated onsite.
Violation Notes: Returned to compliance on 03/09/2020. OBSERVATION: The Tin Mill Outdoor used oil tank located outside of door 206A does not have a hazardous waste tank assesment conducted by a P.E. Furthermore the top of the tank has a hole, no overfill protection, is subject to rain intrusion and possible overfill. CORRECTIVE ACTION: Conduct a hazardous waste tank assessment on the tank and submit results to CCHSHMP. You may also dispose of the used oil as a hazardous waste and

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USS-POSCO INDUSTRIES (Continued)

S100925064

properly clean and close the tank.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-06-1987
Citation: 02005 - Search Title 8 regulations for 19260405 G02 III at <https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-05-2013
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 06/05/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-03-1988
Citation: 02001 - Search Title 8 regulations for 19260105 A at <https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 09/18/2020. OBSERVATION: During the July 5, 2018 meeting facility provided adequate documentation to clarify different processes occurring on and around the CRU pad/berm. On July 11, 2018 facility provided a Recyclable Materials Report for ERM #3 Pickle Liquor Solution and claims HSC 25143.2(c)(2) for this waste stream. This code section requires that the facility comply with all

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USS-POSCO INDUSTRIES (Continued)

S100925064

hazardous waste generator requirements to maintain its exemption from requiring an authorization (permit) for treatment. This includes Hazardous Waste Tank assessments for all hazardous waste tanks including T43 & T42. Facility identified T50 as a tank requiring a hazardous waste tank assessment in their November 2, 2018 email. CORRECTIVE ACTION: Provide CCHSHMP hazardous waste tank assessments. Contra Costa County Health Services Department

Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-25-2019
Citation: 23 CCR 16 2665(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665(b)

Violation Description: "Failure to submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection Report Form to the UPA within 30 days after the inspection. "
Violation Notes: Returned to compliance on 06/26/2019. OBSERVATION: Owner/operator failed to submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection Report Form to the UPA within 30 days after the inspection. The facility provided a notification that the UST overfill prevention testing was set to occur on January 8, 2019 but we do not have the report on file. CORRECTIVE ACTION: Submit a copy of the overfill prevention equipment inspection results on the Overfill Prevention Equipment Inspection Report Form to the UPA within 30 days.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/02/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-14-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple

Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/17/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Training - General
Violation Notes: Returned to compliance on 10/04/2018. HW20
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,
Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Abandonment/Illegal
Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 01/14/2019. HW01 (Oil related wastes)
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.5 25143.9 - California Health and Safety Code, Chapter 6.5,
Section(s) 25143.9
Violation Description: Failure to manage a recyclable material pursuant to HSC 6.5
25143.2(b), (c), or (d).
Violation Notes: Returned to compliance on 09/18/2020. OBSERVATION: During the July 5,
2018 meeting facility provided adequate documentation to clarify
different processes occurring on and around the CRU pad/berm. On July
11, 2018 facility provided a Recyclable Materials Report for ERM #3
Pickle Liquor Solution and claims HSC 25143.2(c)(2) for this waste
stream. This code section requires that the facility comply with all
hazardous waste generator requirements to maintain its exemption from
requiring an authorization (permit) for treatment. This includes
documentation showing that no waste is held on site prior to treatment
for more than 90 days, as well as Hazardous Waste Tank assessments for
all hazardous waste tanks including T43 & T42. Facility identified T43
& T42 as a tank requiring a hazardous waste tank assessment in their
November 2, 2018 email. CORRECTIVE ACTION: Provide a description of
how facility documents accumulation time for the waste prior to
treatment to ensure waste is not on site for more than 90 days
[Truncated]
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-14-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,
Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/13/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Map ID
Direction
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Database(s)

EDR ID Number
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USS-POSCO INDUSTRIES (Continued)

S100925064

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.5 25143.9 - California Health and Safety Code, Chapter 6.5, Section(s) 25143.9
Violation Description: Failure to manage a recyclable material pursuant to HSC 6.5 25143.2(b), (c), or (d).
Violation Notes: Returned to compliance on 06/29/2020. OBSERVATION: During the July 5, 2018 meeting facility provided adequate documentation to clarify different processes occurring on and around the CRU pad/berm. On July 11, 2018 facility provided a Recyclable Materials Report for ERM #1 Caustic Cleaning Solution and claims HSC 25143.2(c)(2) for this waste stream. This code section requires that the facility comply with all hazardous waste generator requirements to maintain its exemption from requiring an authorization (permit) for treatment. This includes documentation showing that no waste is held on site prior to treatment for more than 90 days, as well as Hazardous Waste Tank assessments for all hazardous waste tanks including T40, T41, T16. Facility stated in a July 27, 2018 email that these tanks were expected to have hazardous waste tank assessments completed by August 10, 2018, but these assessments have not been submitted to CCHSHMP. CORRECTIVE ACTION: Provide a description of how facility documents accumulation [Truncated]
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 08-02-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/13/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to address in the SPCC Plan countermeasures for discharge discovery, response, and cleanup (both facility s and contractor s resources).
Violation Notes: Returned to compliance on 06/30/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General

Map ID
Direction
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Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Notes: Returned to compliance on 05/13/2017. OBSERVATION: Facility has submitted a Consolidated Emergency Response/Contingency Plan on March 1, 2017. Plan is missing the CUPA phone number and does not identify the nearest hospital or other appropriate emergency medical assistance appropriate for potential accident scenarios. CORRECTIVE ACTION: Update Consolidated Emergency Response/Contingency Plan to include the CUPA number (925-335-3200 and 925-335-3232 for emergencies) and the nearest hospital phone number or other local emergency medical assistance. Submit updated Consolidated Emergency Response/Contingency Plan to the California Environmental Reporting System (CERS) website.

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)

Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.

Violation Notes: Returned to compliance on 09/08/2020. OBSERVATION: During the July 5, 2018 meeting facility provided adequate documentation to clarify different processes occurring on and around the CRU pad/berm. On July 27, 2018 facility provided a Recyclable Materials Report for ERM #5 Chem Treat Rinse Water and claims HSC 25143.2(c)(2) for this waste stream. This code section requires that the facility comply with all hazardous waste generator requirements to maintain its exemption from requiring an authorization (permit) for treatment. This includes Hazardous Waste Tank assessments for all hazardous wastes including T10, T3, T19, T20 & T50 if liquid is ever stored in this tank. Facility identified T50 as a tank requiring a hazardous waste tank assessment in their November 2, 2018 email. CORRECTIVE ACTION: Provide CCCHSHMP hazardous waste tank assessments for these tanks.

Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator - Training - General
Violation Notes: Returned to compliance on 10/04/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC

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USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Date: 05-19-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Not reported
Violation Notes: Returned to compliance on 09/13/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-14-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/16/2015. HW15
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 04-01-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 05/08/2019. OBSERVATION: AS OF APRIL 1, 2019, A COMPLETE AND CORRECT CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) UNDERGROUND STORAGE TANK (UST) SUBMITTAL ELEMENT HAS NOT BEEN RECEIVED/ACCEPTED BY CCHSHMP. CORRECTIVE ACTION: IMMEDIATELY LOG ONTO CERS (<https://cers.calepa.ca.gov/>) AND SUBMIT A COMPLETE/CORRECT UST SUBMITTAL ELEMENT.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 08/25/2020.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-19-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution

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USS-POSCO INDUSTRIES (Continued)

S100925064

control laws, rules, and regulations. 4. General facility operations.
5. Contents of the SPCC Plan.
Returned to compliance on 05/30/2017.

Violation Notes:
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General

Violation Notes:
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to adequately discuss in the SPCC Plan facility drainage or drainage controls such as secondary containment around containers and other structures, equipment, and procedures for the control of a discharge.

Violation Notes: Returned to compliance on 02/06/2019. OBSERVATION: The current SPCC Plan does not include a discussion of the 3 single walled tanks storing petroleum or pit in the garage area or how drainage controls are implemented. Based on the use of the bermed area, the pit is the secondary containment. The drainage from the bermed area to the pit has been occurring for longer than 6 months. CORRECTIVE ACTION: By 11/2/2018, update the SPCC Plan to provide a discussion of how the drainage controls provide adequate secondary containment, procedures for checking the bermed area, procedures for the control of discharge, and maintaining diked drainage logs.

Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General

Violation Notes:
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,

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USS-POSCO INDUSTRIES (Continued)

S100925064

Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Training - General
Violation Notes: Returned to compliance on 12/13/2018. HW19
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 07-01-2019
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284

Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Returned to compliance on 07/01/2020. Observation: As of September 6, 2019, the subject facility does not possess a current and valid CUPA Permit. Corrective Action: 1) Conduct tightness testing of secondary containment at least once every 36 months 1) Immediately Remit payment for all outstanding Certified Unified Program Agency permit fees to CCHS Finance Department (925) 957-5520. and/or 2) Immediately address and correct all outstanding Underground Storage Tank violations and/or any Class I violations in other CUPA programs. A list of outstanding violations is enclosed, if applicable.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/27/2017. HW42
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-05-2020
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 04/01/2020. OBSERVATION: Generator failed to demonstrate that oil recycled from the oil silo at the TWTP meets the purity standards for recycled oil pursuant to 25250 through 25250.30. CORRECTIVE ACTION: Submit a statement to the CUPA demonstrating how you will test and manage recycled oil from the oil silo or any other location that may qualify throughout the plant.

Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC

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USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Date: 05-19-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to address in the SPCC Plan countermeasures for discharge discovery, response, and cleanup (both facility s and contractor s resources).
Violation Notes: Returned to compliance on 06/30/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 06/29/2020. OBSERVATION: During the July 5, 2018 meeting facility provided adequate documentation to clarify different processes occurring on and around the CRU pad/berm. On July 11, 2018 facility provided a Recyclable Materials Report for ERM #1 Caustic Cleaning Solution and claims HSC 25143.2(c)(2) for this waste stream. This code section requires that the facility comply with all hazardous waste generator requirements to maintain its exemption from requiring an authorization (permit) for treatment. This includes documentation showing that no waste is held on site prior to treatment for more than 90 days, as well as Hazardous Waste Tank assessments for all hazardous waste tanks including T40, T41, T16. Facility stated in a July 27, 2018 email that these tanks were expected to have hazardous waste tank assessments completed by August 10, 2018, but these assessments have not been submitted to CCHSHMP. CORRECTIVE ACTION: Provide a description of how facility documents accumulation [Truncated]
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-19-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container, and either the type of oil and storage capacity for each mobile or portable container, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities.
Violation Notes: Returned to compliance on 02/06/2019.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

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USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Description: Section(s) Multiple
Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/13/2017. OBSERVATION: BP02 was cited during the Oct. 14, 2015 inspection for hazardous materials inventory that was missing or incorrectly reported for the largest container, maximum daily amount, as well as hazardous materials inventory that no longer existed on site due to changes in operations. On Nov. 13, 2015 the facility made changes to the hazardous materials inventory. These changes were acknowledged in the Dec. 16, 2015 follow up inspection as well as the Dec. 24, 2015 rejection of the Nov. 13, 2015 CERS submittal. The hazardous materials inventory was rejected due to lack of updating the oil bearing portion of the hazardous materials inventory which the facility was waiting on an updated SPCC Plan for inventory as well as not accounting for other items such as requested process tanks, and issues with the compressed gas related inventory. The violation was elevated to a Class II and the due date was extended to Feb. 16, 2016 to wait for the SPCC Plan updates. The facility [Truncated]

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 03/09/2020. HW44/Used Oil Tank
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/13/2018. HW26
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-02-2017
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)

Violation Description: Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitor at least hourly. Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.

Violation Notes: Returned to compliance on 06/08/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST

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USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 12-16-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/17/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-03-2013
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/05/2013.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-29-2021
Citation: 02001 - Search Title 8 regulations for 3999(H) at <https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to ensure that containment systems of diked areas in all bulk storage tank installations are either: 1. Sufficiently impervious to contain discharged oil until cleaned up. OR 2. Any discharge to a drainage trench system will be safely confined in a facility catchment basin or holding pond until cleaned up.
Violation Notes: Returned to compliance on 02/06/2019. OBSERVATION: The pit associated with the 3 singled walled tanks in the garage area was storing a liquid with a visible sheen. There were no procedures available at the time of the inspection regarding storage or disposal of the liquid in the pit. Although a precise depth was not obtained, it is believed that the pit was about half full with liquid at the time of the inspection. Although there is no overhead coverage for the pit to prevent rain water from entering the pit, based on the timing of the inspection (lack of rain fall for an extended period of time), the liquid in the pit is most likely from operations associated with garage activities. Based on observations, the pit is storing a liquid with petroleum and is therefore bulk storage containment, but is not

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USS-POSCO INDUSTRIES (Continued)

S100925064

meeting the 40 CFR Part 112 requirements of a bulk storage containment. It does not appear feasible for the pit to meet secondary containment requirements for bulk storage. These activities have been occurring [Truncated]

Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Training - General
Violation Notes: Returned to compliance on 05/26/2017. OBSERVATION: HMBP related training is C.I.T.E. - Continuous Improvement To the Environment. Env. Compliance Engineer Coree Truesdell has been providing this training to employees but has not documented this training for herself. CORRECTIVE ACTION: Document training for all employees. Provide evidence of training for Coree Truesdell (ex: providing training records showing Coree as the trainer) as well as for James Jo and Freddy Ripoli. If training has not occurred for these employees, please provide it immediately. Let CCHSHMP know how this will be documented in the future.

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-01-2017
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple

Violation Description: UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.

Violation Notes: Returned to compliance on 05/08/2019.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)

Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.

Violation Notes: Returned to compliance on 11/30/2020. OBSERVATION: Currently Tanks B16 & B17 contain the rinse water post the pickling process with a pH of approximately 1.5 or less and this liquid is going through the TTU to

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USS-POSCO INDUSTRIES (Continued)

S100925064

be brought to a pH of at least 2.5 before it can be sent to the TWTP. These are hazardous waste tanks and require labels and a hazardous waste tank assessment. CORRECTIVE ACTION: Provide CCHSHMP hazardous waste tank assessments.

Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-09-1987
Citation: 02001 - Search Title 8 regulations for 19260405 A02 III at <https://www.dir.ca.gov/title8/index/T8index.asp>

Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-05-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: Returned to compliance on 03/27/2020. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-25-2019
Citation: HSC 6.7 25291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(b)

Violation Description: Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance into the secondary containment.

Violation Notes: Returned to compliance on 06/28/2019. OBSERVATION: Owner/Operator failed to design or maintain a UST system with a monitoring system capable of detecting the entry of the hazardous substance into the secondary containment. Liquid was observed in the diesel tank turbine sump as well as the diesel tank annular space. CORRECTIVE ACTION: UST system must be modified or repaired so that the monitoring system is capable of detecting the entry of the hazardous substance into the secondary containment. Submit verification.

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-14-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/13/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-19-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to ensure loading/unloading rack drainage flows to catchment basin or treatment facility designed to handle discharges, or use a quick drainage system when a tank car or tank truck loading/unloading rack is present at the facility. The containment system must be designed to hold at least the maximum capacity of any single compartment of a tank car or tank truck loaded or unloaded at the facility.
Violation Notes: Returned to compliance on 01/31/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 02-06-2019
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to promptly correct visible discharges and promptly remove any accumulations of oil in diked areas.
Violation Notes: Returned to compliance on 02/21/2019. OBSERVATION: On February 6, 2019, the working area under the equipment in the garage had visible oil. Rags were observed at the edge of the oil in the working area under the equipment, but the oil was not fully cleaned up. CORRECTIVE ACTION: By 3/16/2019, provide documentation to CCHSHMP that the oil in the working area under the equipment in the garage is appropriately cleaned up.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/30/2020.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-14-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/17/2016. 177.834 oil transfer
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 08-19-2020
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Returned to compliance on 09/09/2020. Observation: Due to outstanding violations facility has not possessed a current and valid CUPA Permit since 6/30/2017. CORRECTIVE ACTION: Immediately address and correct all outstanding Underground Storage Tank violations and/or any Class I violations in other CUPA programs.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-14-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/16/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-19-2017
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/09/2019. cfr112.5(c)
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/25/2020. HW51:CRU-ERM#4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/30/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-06-2016
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 06/06/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 07-07-2011
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/09/2011.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Not reported
Violation Notes: Returned to compliance on 09/13/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-02-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Description: 6.67, Section(s) 25270.4.5(a)
Failure to address in the SPCC Plan countermeasures for discharge discovery, response, and cleanup (both facility s and contractor s resources).

Violation Notes: Returned to compliance on 06/30/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: APSA

Violation Source: CERS,

Site ID: 405222

Site Name: USS-UPI, LLC

Violation Date: 06-02-2017

Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 09/13/2018. HW26 requested extension from 3/28/17 violation.

Violation Division: Contra Costa County Health Services Department

Violation Program: HW

Violation Source: CERS,

Site ID: 405222

Site Name: USS-UPI, LLC

Violation Date: 04-14-2017

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General

Violation Notes: Returned to compliance on 05/22/2017.

Violation Division: Contra Costa County Health Services Department

Violation Program: HMRRP

Violation Source: CERS,

Site ID: 405222

Site Name: USS-UPI, LLC

Violation Date: 05-19-2017

Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: "Failure to engineer or update each container installation to avoid discharges by providing at least one of the following devices: 1. An audible or visual high liquid level alarm. 2. High liquid level pump cutoff devices. 3. Audible or code signal communications between tank gauger and pumping station. 4. A fast response system for determining liquid levels, such as computers, telepulse or direct vision gauges.

Violation Notes: Returned to compliance on 05/09/2019.

Violation Division: Contra Costa County Health Services Department

Violation Program: APSA

Violation Source: CERS,

Site ID: 405222

Site Name: USS-UPI, LLC

Violation Date: 05-15-2017

Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 08/25/2020.

Violation Division: Contra Costa County Health Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-06-2016
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes: Returned to compliance on 06/06/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 11-20-1987
Citation: 03001 - Search Title 8 regulations for 19260500 B08 at <https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/16/2017. CFR 112.8(c)(6) Integrity testing
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-19-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to include in the SPCC Plan an adequate facility diagram, or no facility diagram included. The facility diagram is not required on a Tier I qualified facility SPCC Plan.
Violation Notes: Returned to compliance on 11/16/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 07-19-2018
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Returned to compliance on 07/01/2019.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 01-14-1992
Citation: 01001 - Search Title 8 regulations for 5194 E01 A at <https://www.dir.ca.gov/title8/index/T8index.asp>

Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 09/08/2020. OBSERVATION: During the July 5, 2018 meeting facility provided adequate documentation to clarify different processes occurring on and around the CRU pad/berm. On July 27, 2018 facility provided a Recyclable Materials Report for ERM #5 Chem Treat Rinse Water and claims HSC 25143.2(c)(2) for this waste stream. This code section requires that the facility comply with all hazardous waste generator requirements to maintain its exemption from requiring an authorization (permit) for treatment. This includes documentation showing that no waste is held on site prior to treatment for more than 90 days, as well as Hazardous Waste Tank assessments for all hazardous waste tanks including T10, T3, T19, T20 & T50. Facility identified T50 as a tank requiring a hazardous waste tank assessment in their November 2, 2018 email. CORRECTIVE ACTION: Provide a description of how facility documents accumulation time for the waste prior to treatment, as well as hazardous waste tank Hazardous [Truncated]

Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/01/2018. HW15
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-01-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 05/08/2019.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 06/29/2020. OBSERVATION: During the July 5, 2018 meeting facility provided adequate documentation to clarify different processes occurring on and around the CRU pad/berm. On July 11, 2018 facility provided a Recyclable Materials Report for ERM #1 Caustic Cleaning Solution and claims HSC 25143.2(c)(2) for this waste stream. This code section requires that the facility comply with all hazardous waste generator requirements to maintain its exemption from requiring an authorization (permit) for treatment. This includes Hazardous Waste Tank assessments for all hazardous waste tanks including T40, T41, T16. Facility stated in a July 27, 2018 email that these tanks were expected to have hazardous waste tank assessments completed by August 10, 2018, but these assessments have not been submitted to CCHSHMP. CORRECTIVE ACTION: Provide hazardous waste tank assessments.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-14-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/13/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 12-24-2019
Citation: 02001 - Search Title 8 regulations for 3203(A) at

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

<https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-19-2020
Citation: HSC 6.7 25290.2(c) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.2(c)

Violation Description: Failure to maintain secondary containment (e.g., failure of secondary containment testing).

Violation Notes: Returned to compliance on 07/16/2020. OBSERVATION: Liquid in a dry annular was found in the diesel annular indicating a possible leak in the secondary containment. Technician believes the liquid is water, water was found in the annular last year and passed SB989 testing. Diesel had an annular alarm 1/19/20, it was investigated by the new Designated Operator on 2/28/20 who found the annular to be dry and the sensor to be okay. Secondary containment shall be impervious to the liquid and vapor of the substance contained and constructed to prevent structural weakening as a result of contact with any hazardous substances released from the primary containment. CORRECTIVE ACTION: Investigate source of water/liquid, ex: remove water from annular, test annular for secondary containment testing, and then check for water again to ensure groundwater is not leaking into the annular. Send results of investigation. If necessary, contact a properly licensed, trained, and certified contractor to make repairs to the UST system [Truncated]

Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.5 25143.9 - California Health and Safety Code, Chapter 6.5, Section(s) 25143.9

Violation Description: Failure to manage a recyclable material pursuant to HSC 6.5 25143.2(b), (c), or (d).

Violation Notes: Returned to compliance on 09/08/2020. OBSERVATION: During the July 5, 2018 meeting facility provided adequate documentation to clarify different processes occurring on and around the CRU pad/berm. On July 27, 2018 facility provided a Recyclable Materials Report for ERM #5 Chem Treat Rinse Water and claims HSC 25143.2(c)(2) for this waste stream. This code section requires that the facility comply with all hazardous waste generator requirements to maintain its exemption from requiring an authorization (permit) for treatment. This includes documentation showing that no waste is held on site prior to treatment for more than 90 days, as well as Hazardous Waste Tank assessments for all hazardous waste tanks including T10, T3, T19, T20 & T50. Facility identified T50 as a tank requiring a hazardous waste tank assessment in their November 2, 2018 email. CORRECTIVE ACTION: Provide a description of how facility documents accumulation time for the waste prior to treatment, as well as hazardous waste tank Hazardous [Truncated]

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 12-08-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 01/08/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 01/14/2019. HW02- Used Oil
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.
Violation Notes: Returned to compliance on 05/30/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 04-27-1988
Citation: 02002 - Search Title 8 regulations for 19260152 A01 at <https://www.dir.ca.gov/title8/index/T8index.asp>
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-14-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Description: Section(s) Multiple
APSA Program - Release/Leaks/Spills - General
Violation Notes: Returned to compliance on 11/13/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,
Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/14/2019. HW44-Used Oil
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 09-13-2018
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,
Section(s) Multiple

Violation Description: RCRA Large Quantity Generator - Abandonment/Illegal
Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 11/08/2020. OBSERVATION: ETL#1 Pickle Rinse
was sampled by the facility on May 29, 2018. The sample was found to
have a pH <2 making it a hazardous waste. Facility has submitted
documentation to CCHSHMP during the May 2017 inspection (Collection
System TWTP.ppt) indicating the ETL#1 Pickle Rinse goes to the TWTP,
which is illegal treatment and disposal of a hazardous waste.
CORRECTIVE ACTION: Facility is not currently running the ETL#1 and
does not have plans to re-use it. This clears this violation. If
Facility decides they want to start using ETL#1 in the future, this
waste stream will need to be diverted from the TWTP and managed as a
hazardous waste.

Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-19-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter
6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to include in the SPCC plan and document discharge prevention
briefings for oil-handling personnel at least once a year, including,
but not limited to, known discharges, failures, and malfunctioning
components.

Violation Notes: Returned to compliance on 05/30/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/30/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-02-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container, and either the type of oil and storage capacity for each mobile or portable container, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities.
Violation Notes: Returned to compliance on 02/06/2019.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to include in the SPCC Plan an adequate facility diagram, or no facility diagram included. The facility diagram is not required on a Tier I qualified facility SPCC Plan.
Violation Notes: Returned to compliance on 11/16/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 12-16-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 04/18/2016. HW44
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 10-14-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/16/2015. HW18
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 12-01-1987
Citation: 01002 - Search Title 8 regulations for 19260500 B08 at <https://www.dir.ca.gov/title8/index/T8index.asp>

Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 06-02-2017
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665

Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.

Violation Notes: Returned to compliance on 06/08/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: UST
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-20-2016
Citation: 02001 - Search Title 8 regulations for 4184(B) at <https://www.dir.ca.gov/title8/index/T8index.asp>

Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
RCRA Large Quantity Generator Program - Operations/Maintenance - General

Violation Description: Returned to compliance on 03/09/2020.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-26-1988
Citation: 02001 - Search Title 8 regulations for 19260302 B01 at <https://www.dir.ca.gov/title8/index/T8index.asp>

Violation Description: Cal/OSHA Violation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 12-16-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/13/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 03-28-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 11/02/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-15-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 07/05/2018.
Violation Division: Contra Costa County Health Services Department
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Violation Date: 05-09-1988
Citation: 03006 - Search Title 8 regulations for 19260403 H at <https://www.dir.ca.gov/title8/index/T8index.asp>

Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-06-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-06-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 02-07-1989
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-04-1988
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-11-2002
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval General Type:	Other/Unknown
Eval Date:	01-31-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-13-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Occupational Safety and Health Administration Inspection
Eval Date:	02-16-1988
Violations Found:	Yes
Eval Type:	Cal/OSHA Inspection
Eval Notes:	Not reported
Eval Division:	Cal/OSHA
Eval Program:	OSHA
Eval Source:	CERS,
Eval General Type:	Occupational Safety and Health Administration Inspection
Eval Date:	03-03-1988
Violations Found:	Yes
Eval Type:	Cal/OSHA Inspection
Eval Notes:	Not reported
Eval Division:	Cal/OSHA
Eval Program:	OSHA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-07-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Occupational Safety and Health Administration Inspection
Eval Date:	03-22-2016
Violations Found:	Yes
Eval Type:	Cal/OSHA Inspection
Eval Notes:	Not reported
Eval Division:	Cal/OSHA
Eval Program:	OSHA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-28-2017
Violations Found:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-06-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-14-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-19-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	05-19-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	06-02-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-03-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-13-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-19-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval General Type: Other/Unknown
Eval Date: 03-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-01-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-17-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-30-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-15-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-19-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-2013
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-05-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-05-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-06-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-25-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-07-2011
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: LACEY FRIEDMAN
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-25-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-02-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-08-1988
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-10-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: CalARP
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval General Type: Other/Unknown
Eval Date: 08-19-2020
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: File Review & Violation extension request Review & Follow up.
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-04-2007
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Lawler Hickman
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-14-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 10-27-1987
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 10-27-2020
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 10-29-1987
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-06-2021
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-07-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-18-1991
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-31-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 02-10-1988
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 02-18-1988
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 06-21-1988
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-19-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-20-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-22-2008
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Tod Hickman & Devra Lewis; No violations observed.
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-08-1991
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-01-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-10-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 09-25-1987
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-14-2015
Violations Found: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-27-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-08-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-14-2009
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Eric Jonsson; No violations observed
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 12-15-1987
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Program:	OSHA
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	12-16-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	12-29-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-29-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-31-2020
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	05-15-2017
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	05-19-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Contra Costa County Health Services Department
Eval Program:	APSA
Eval Source:	CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval General Type: Other/Unknown
Eval Date: 05-19-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-20-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-02-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-02-2017
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-05-2013
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-05-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-05-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-13-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-13-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 06-26-2001
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 07-01-2019
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-25-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-09-2016
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 09-08-1988
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-13-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-14-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 10-27-1997
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-06-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-07-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-20-2017
Violations Found: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-29-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-14-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-09-1988
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-16-1988
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-16-1989
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-22-1988
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-28-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-14-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-16-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-23-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-03-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-04-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-06-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-18-2010
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Maria Duazo, Matt Slafkosky; No violations observed
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 07-21-1987
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 07-22-1987
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 07-22-1987
Violations Found: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-22-2008
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: Tod Hickman; No violations observed.
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-24-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-06-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-09-1988
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-18-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-03-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 12-13-2010
Violations Found: No
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-16-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-16-2015
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HWLQG
Eval Source: CERS,

Enforcement Action:
Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 02-13-2019
Enf Action Type: Referral to District Attorney
Enf Action Description: Referral to District Attorney

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Enf Action Notes: Fines/Penalties Assessed: \$4,000,000.00. SEPs Value: \$250,000.00.
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 09-01-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 03-05-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 05-19-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 08-19-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-03-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-03-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 05-15-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 03-28-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Enf Action Date: 06-02-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 03-28-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 03-28-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 12-16-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 05-15-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-04-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-02-2022
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 04-01-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 02-13-2019
Enf Action Type: Referral to District Attorney
Enf Action Description: Referral to District Attorney
Enf Action Notes: Fines/Penalties Assessed: \$4,000,000.00. SEPs Value: \$250,000.00.
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-19-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 08-02-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-05-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-25-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 02-14-2019
Enf Action Type: Notice of Violation (Unified Program)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 05-20-2021
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 03-05-2020
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 02-13-2019
Enf Action Type: Referral to District Attorney
Enf Action Description: Referral to District Attorney
Enf Action Notes: Fines/Penalties Assessed: \$4,000,000.00. SEPs Value: \$250,000.00.
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 10-14-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 03-28-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 12-16-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-06-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 05-19-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Enf Action Date: 07-19-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-02-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 10-14-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 09-10-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-03-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 12-16-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 02-13-2019
Enf Action Type: Referral to District Attorney
Enf Action Description: Referral to District Attorney
Enf Action Notes: Fines/Penalties Assessed: \$4,000,000.00. SEPs Value: \$250,000.00.
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UST
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-02-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 02-13-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 09-13-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HWLQG
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 04-14-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 09-13-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: UNSPEC
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 10-14-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 12-08-2014
Enf Action Type: Notice of Violation (Unified Program)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 02-13-2019
Enf Action Type: Referral to District Attorney
Enf Action Description: Referral to District Attorney
Enf Action Notes: Fines/Penalties Assessed: \$4,000,000.00. SEPs Value: \$250,000.00.
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 405222
Site Name: USS-UPI, LLC
Site Address: 900 LOVERIDGE ROAD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 10-03-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Coordinates:

Site ID: 405222
Facility Name: USS-UPI, LLC
Env Int Type Code: APSA
Program ID: 10019722
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.022525
Longitude: -121.857236

Affiliation:

Affiliation Type Desc: Identification Signer
Entity Name: Tyler Lee
Entity Title: Environmental Compliance Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: USS-UPI, LLC
Entity Title: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Affiliation Address: 900 Loveridge Road
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94565
Affiliation Phone: (925) 439-6000,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Coree Truesdell
Entity Title: Environmental Compliance Engineer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 439-6728,

Affiliation Type Desc: UST Property Owner Name
Entity Name: USS-UPI, LLC
Entity Title: Not reported
Affiliation Address: P.O. Box 471/ 900 Loveridge Road MS 67
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94565
Affiliation Phone: (925) 439-6000,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco Blvd Suite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Document Preparer
Entity Name: Tyler Lee
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 900 Loveridge Road MS 67
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Affiliation Type Desc: Parent Corporation
Entity Name: USS-Posco Industries
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Tank Operator
Entity Name: USS-UPI, LLC
Entity Title: Not reported
Affiliation Address: 900 Loveridge Road MS 67
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94565
Affiliation Phone: (925) 439-6000,

Affiliation Type Desc: Environmental Contact
Entity Name: Tyler Lee
Entity Title: Not reported
Affiliation Address: 900 Loveridge Road MS 67
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: USS-UPI, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 439-6000,

Affiliation Type Desc: UST Tank Owner
Entity Name: USS-UPI, LLC
Entity Title: Not reported
Affiliation Address: 900 Loveridge Road MS 67
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94565
Affiliation Phone: (925) 439-6000,

Name: USS-POSCO INDUSTRIES
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565-2808
Site ID: 501920
CERS ID: 110000483450
CERS Description: US EPA Air Emission Inventory System (EIS)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: SAL SBRANTI
Entity Title: VICE PRESIDENT OPER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: USS POSCO IND
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: CHRIS CONKLING
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: David Allen
Entity Title: Not reported
Affiliation Address: 900 LOVERIDGE ROAD
Affiliation City: PITTSBURG
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: FREDDY RIPOLI
Entity Title: EH&S MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: FREDDY RIPOLI
Entity Title: EH&S MANAGER
Affiliation Address: 900 LOVERIDGE RD MS 67
Affiliation City: PITTSBURG
Affiliation State: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: M D AMIN
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: POBOX 471
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: GEORGE KUNST
Entity Title: Not reported
Affiliation Address: POBOX 471 MS 67
Affiliation City: PITTSBURG
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALYX KARPOWICZ SAN FRANCISCO BAY RWQCB REGN 2ND
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST NA SUITE 1400
Affiliation City: OAKLAND
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: FREDRICK RIPOLI
Entity Title: GROUP MANAGER ENVIRONMENTALNA HEALTH &AM
Affiliation Address: POBOX 471 MS 67
Affiliation City: PITTSBURG
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: COREE TRUESDELL
Entity Title: ENVIRONMENTAL COMPLIANCE ENGINEER
Affiliation Address: 900 LOVERIDGE
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: GEORGE KUNST
Entity Title: GENERAL MANAGER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	MR DAVID R ALLEN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	TODD MCHUGH
Entity Title:	Not reported
Affiliation Address:	POBOX 1486
Affiliation City:	PITTSBURG
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SUE LOYD CONTRA COSTA CNTY
Entity Title:	Not reported
Affiliation Address:	4333 PACHECO BLVD
Affiliation City:	MARTINEZ
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	USS POSCO IND
Entity Title:	OPERATOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST PO Name
Entity Name:	USS POSCO IND
Entity Title:	Not reported
Affiliation Address:	POBOX 471/ 900 LOVERIDGE ROAD MS 67
Affiliation City:	PITTSBURG
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565-0000
Site ID: 490809
CERS ID: 110064101145
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: JAMES R GOEHRING
Entity Title: MANAGER
Affiliation Address: POBOX 63604
Affiliation City: PHOENIX
Affiliation State: AZ
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: ROLL TECH WEST
Entity Title: OWNER
Affiliation Address: POBOX 63604
Affiliation City: PHOENIX
Affiliation State: AZ
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: USS POSCO
Entity Title: Not reported
Affiliation Address: POBOX 471
Affiliation City: PITTSBURG
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: USS POSCO IND
Entity Title: OPERATOR
Affiliation Address: POBOX 472
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JAMES GOEHRING
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: POBOX 472
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

Affiliation Type Desc: Environmental Contact
Entity Name: RICHARD ROBERSON
Entity Title: SUPERINTENDENT
Affiliation Address: POBOX 472
Affiliation City: PITTSBURG
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

NON-CASE INFO:

Name: ROLL TECHNOLOGY WEST
Address: 900 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Global ID: T10000013419
Case Type: Non-Case Information
Status: Pending Review
Status Date: 03/17/2021
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: KAW
Local Agency: Not reported
RB Case Number: Not reported
Loc Case Number: Not reported
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Roll Technology West (RTW) is a chrome plating steel mill shop. RTW began chrome plating operations in 1994. From 2009 to 2014, RTW used approximately 140 gallons of Fumetrol 140 (AF140), which contains perfluorooctane sulfonate (PFOS), as a fume suppressant to reduce hexavalent chromium air emissions. In 2009, RTW switched from AF140 to Atotech's Fumetrol 21 LF2 (AF21), which contains 6:2 fluorotelomer sulfonate (6:2 FTS). RTW has implemented a closed-loop chrome plating system with no waste discharge stream. There are no records of spills or groundwater contamination to date. To investigate the potential presence of PFAS, samples will be collected from the secondary containment area to investigate possible undocumented tank spills/overflows, from stormwater runoff from the roof to investigate deposition from the air scrubber vent, and from the unpaved soil area on the lot to investigate aerial deposition of PFAS on the ground.
Begin Date: 09/23/2019
How Discovered: Not reported
How Discovered Description: Not reported
Stop Method: Not reported
Stop Description: Not reported
Latitude: 38.02471833
Longitude: -121.870096668262
Geotracker: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013419
EPA Region: 9
Coordinate Source: Google Map Move
Cuf Case: NO
Quantity Released Gallons: Not reported
Leak Reported Date: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
No Further Action Date: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USS-POSCO INDUSTRIES (Continued)

S100925064

CA Water Watershed Name: Suisun - Concord - Pittsburg - In Delta (207.34)
 Dwr Groundwater Subbasin Name: Pittsburg Plain (2-004)
 Disadvantaged Community: Not reported
 CA Enviroscreen 3 Score: 76-80%
 CA Enviroscreen 4 Score: 80-85%
 Military DOD Site: No
 Facility Project Subtype: Not reported
 RWQCB Region: SAN FRANCISCO BAY RWQCB (REGION 2)

E25
SW
1/2-1
0.606 mi.
3201 ft.
Relative:
Higher
Actual:
37 ft.

PACIFIC ORD STEEL FOUNDRY
PITTSBURG, CA
Site 1 of 2 in cluster E

ENVIROSTOR S107736995
N/A

ENVIROSTOR:
 Name: PACIFIC ORD STEEL FOUNDRY
 Address: Not reported
 City,State,Zip: PITTSBURG, CA
 Facility ID: 80000596
 Status: Inactive - Needs Evaluation
 Status Date: 05/19/2016
 Site Code: Not reported
 Site Type: Military Evaluation
 Site Type Detailed: FUDS
 Acres: 5
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Charles Ridenour
 Division Branch: Cleanup Sacramento
 Assembly: 15
 Senate: 9
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: DERA
 Latitude: 38.01472
 Longitude: -121.8544
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: CA99799F581800
 Alias Type: Federal Facility ID
 Alias Name: J09CA0894
 Alias Type: INPR
 Alias Name: 80000596
 Alias Type: Envirostor ID Number

Completed Info:
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Records Research Report (RRR)
 Completed Date: 11/29/2005
 Comments: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PACIFIC ORD STEEL FOUNDRY (Continued)

S107736995

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: PROJECT WIDE
 Schedule Sub Area Name: Not reported
 Schedule Document Type: No Department of Defense Action Indicated (NDAI)
 Schedule Due Date: 04/18/2016
 Schedule Revised Date: 10/28/2016

**E26
 SW
 1/2-1
 0.608 mi.
 3211 ft.**

**PACIFIC ORDNANCE STEEL FOUNDRY
 PITTSBURG, CA
 Site 2 of 2 in cluster E**

**FUDS 1024903771
 N/A**

**Relative:
 Higher
 Actual:
 37 ft.**

FUDS:
 EPA Region: 09
 Installation ID: CA99799F581800
 Congressional District Number: 8
 Name: PACIFIC ORDNANCE STEEL FOUNDRY
 FUDS Number: J09CA0894
 City: PITTSBURG
 State: CA
 County: CONTRA COSTA
 Object ID: 9053
 USACE Division: SPD
 USACE District: Sacramento District (SPK)
 Status: Properties without projects
 Current Owner: PRIV: PRIVATE United States Steel Corporation
 EMS Map Link: <https://fudportal.usace.army.mil/ems/inventory/map?id=61283>
 Eligibility: Eligible
 Has Projects: No
 NPL Status: Not reported
 Project Required: No
 Feature Description: The 42.98-acre site was acquired in 1942 for construction of the Columbia Steel Foundry. The foundry cast armored stern sections for use in the wartime shipbuilding industry. The plant was declared surplus in 1946 and transferred to the General Services Administration (GSA). In 1949 the name was changed to the Pacific Ordnance Steel Foundry and transferred to the Department of the Army for retention in the Departmental Industrial Reserve. In 1953, the plant was completely refurbished and equipped for the manufacture of 14-ton tank hull casings together with turret. The property was sold on 14 August 1963 to QUAMCO, Inc., an Ohio corporation. There were no restrictions or reservations in the deed. A 1.679-acre parcel was excluded from this transaction, to remain under the jurisdiction of the Department of the Navy for use as an X-ray, radiography facility. On 3 September 1963, the property, consisting of 41.3 acres of land, was transferred from Ludlow Valve Manufacturing Company, Inc., a New York based corporation, to United States Steel Corporation who is the present owner. Subsequent to that transfer, the facility was used for the manufacture of steel products including steel pipe. Steel manufacturing operations have ceased and the facility is now an industrial park with building and yard space leased out to a variety of businesses.
 Latitude: 38.01472222
 Longitude: -121.85444444

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

F27 **KNA CALIFORNIA INC**
WSW **1401 LOVERIDGE RD**
1/2-1 **PITTSBURG, CA 94565**
0.667 mi.
3523 ft. **Site 1 of 4 in cluster F**

ENVIROSTOR **S105455343**
CPS-SLIC **N/A**
CHMIRS
CONTRA COSTA CO. SITE LIST
CERS

Relative:
Higher
Actual:
32 ft.

ENVIROSTOR:
 Name: KEMWATER PITTSBURG PLANT
 Address: 1401 LOVERIDGE ROAD
 City,State,Zip: PITTSBURG, CA 94565
 Facility ID: 7280165
 Status: Refer: RWQCB
 Status Date: 01/13/2003
 Site Code: Not reported
 Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 0
 NPL: NO
 Regulatory Agencies: RWQCB
 Lead Agency: RWQCB
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Assembly: 15
 Senate: 9
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 38.01737
 Longitude: -121.8552
 APN: 73230030
 Past Use: NONE SPECIFIED
 Potential COC: * HALOGENATED SOLVENTS * LIQUIDS WITH PH <= 2 WITH METALS
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: Not reported
 Alias Type: Not reported

Completed Info:
 Completed Area Name: Not reported
 Completed Sub Area Name: Not reported
 Completed Document Type: Not reported
 Completed Date: Not reported
 Comments: Not reported

 Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

CPS-SLIC:
 Name: KNA CALIFORNIA
 Address: 1401 LOVERIDGE ROAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KNA CALIFORNIA INC (Continued)

S105455343

City,State,Zip: PITTSBURG, CA 94565
Region: STATE
Facility Status: **Open - Long Term Management**
Status Date: 06/13/2022
Global Id: SL1823A658
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 38.017341
Longitude: -121.854872
Case Type: Cleanup Program Site
Case Worker: AJK
Local Agency: Not reported
RB Case Number: 2119.1132
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Other Acid or Corrosive, Other Metal
EPA Region: 9
Coordinate Source: Google Geocode
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 01/01/1987
Leak Reported Date: 01/02/1965
How Discovered: * RBD
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: Not reported
CA Water Watershed Name: Suisun - Concord - Pittsburg - In Delta (207.34)
Dwr Groundwater Subbasin Name: Pittsburg Plain (2-004)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 81-85%
CA Enviroscreen 4 Score: 90-95%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Site History: The site was previously used for ferric chloride production and had two ponds associated with the production, Ponds B and C; these ponds were closed in 2005. Annual groundwater monitoring currently takes place at the site.

[Click here to access the California GeoTracker records for this facility:](#)

CHMIRS:

Name: Not reported
Address: 1401 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA
OES Incident Number: 14938
OES notification: Not reported
OES Date: 8/2/1996
OES Time: 10:05:54 AM
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KNA CALIFORNIA INC (Continued)

S105455343

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	allwaste
Containment:	Not reported
What Happened:	Not reported
Type:	CHEMICAL
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	kemwater north america
Incident Date:	0930 02Aug96
Admin Agency:	Not reported
Amount:	5 gals
Contained:	NO
Site Type:	OTHER
E Date:	Not reported
Substance:	ferric chloride
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	a tank truck spilled substance to the roadway as driver was leaving facility.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KNA CALIFORNIA INC (Continued)

S105455343

CONTRA COSTA CO. SITE LIST:

Name: KNA CALIFORNIA INC
Address: 1401 LOVERIDGE RD
City: PITTSBURG
Facility ID: FA0028129
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: >100K-250K LBS, 0-19 EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 771365
CERS ID: 10012102

Name: KNA CALIFORNIA INC
Address: 1401 LOVERIDGE RD
City: PITTSBURG
Facility ID: FA0028129
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: LESS THAN 5 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 771365
CERS ID: 10012102

CERS:

Name: KNA CALIFORNIA
Address: 1401 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 663586
CERS ID: SL1823A658
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALYX KARPOWICZ - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 Clay St., Suite 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5106222427,

F28
WSW
1/2-1
0.675 mi.
3564 ft.

RECYCLING CENTER AND TRANSFER STATION
1300 LOVERIDGE ROAD
PITTSBURG, CA 94565
Site 2 of 4 in cluster F

CPS-SLIC 1006826283
FINDS N/A
ECHO
EMI
HWP
CERS

Relative:
Higher
Actual:
30 ft.

SLIC REG 2:
Region: 2
Facility ID: 07S0137
Facility Status: Pollution Characterization
Date Closed: Not reported
Local Case #: Not reported
How Discovered: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

Leak Cause: Not reported
Leak Source: Not reported
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

FINDS:

Registry ID: 110013853473

[Click Here for FRS Facility Detail Report:](#)

Environmental Interest/Information System:

AIR EMISSIONS CLASSIFICATION UNKNOWN

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1006826283
Registry ID: 110013853473
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110013853473>
Name: RECYCLING CENTER AND TRANSFER STATION
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565

EMI:

Name: CROWN CORK AND SEAL COMPANY
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1990
County Code: 7
Air Basin: SF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

Facility ID: 7050
Air District Name: BA
SIC Code: 3411
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1997
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 9511
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers and Smlr Tons/Yr:2

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 1998
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 9511
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

Year: 1999
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 9511
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2000
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 9511
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2001
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2002
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2003
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2004
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

Particulate Matter Tons/Yr: 1.205
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.3615

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2005
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1.607
Part. Matter 10 Micrometers and Smllr Tons/Yr:.4821

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2006
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1.607
Part. Matter 10 Micrometers and Smllr Tons/Yr:.4821

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 902920000
Year: 2007
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0

Map ID
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MAP FINDINGS

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RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1.494
Part. Matter 10 Micrometers and Smllr Tons/Yr.:4482

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2008
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1.089
Part. Matter 10 Micrometers and Smllr Tons/Yr.:3267

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2009
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.5000000000000003E-2
Reactive Organic Gases Tons/Yr: 0.003199
Carbon Monoxide Emissions Tons/Yr: 3.4000000000000002E-2
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.9250000000000004
Part. Matter 10 Micrometers and Smllr Tons/Yr.:0.2775000000000002

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2010
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

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RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.039
Reactive Organic Gases Tons/Yr: 3.5645999999999998E-3
Carbon Monoxide Emissions Tons/Yr: 3.7999999999999999E-2
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 3.5266666666666602
Part. Matter 10 Micrometers and Smllr Tons/Yr:1.0580000000000001

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2011
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.041
Reactive Organic Gases Tons/Yr: 0.0037474
Carbon Monoxide Emissions Tons/Yr: 0.04
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2012
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.041
Reactive Organic Gases Tons/Yr: 0.0037474
Carbon Monoxide Emissions Tons/Yr: 0.04
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 3.8433333333
Part. Matter 10 Micrometers and Smllr Tons/Yr:1.153

Name: RECYCLING CENTER AND TRANSFER
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2013
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA

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Database(s)

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RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.069
Reactive Organic Gases Tons/Yr: 0.0317474
Carbon Monoxide Emissions Tons/Yr: 0.04
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1.215
Part. Matter 10 Micrometers and Smllr Tons/Yr:1.167

Name: RECYCLING CENTER AND TRANSFER STATION
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2014
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.068694974
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0.039915889
NOX - Oxides of Nitrogen Tons/Yr: 0.000127947
SOX - Oxides of Sulphur Tons/Yr: 2.5977e-005
Particulate Matter Tons/Yr: 1.277263847
Part. Matter 10 Micrometers and Smllr Tons/Yr:1.22619158

Name: RECYCLING CENTER AND TRANSFER STATION
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2015
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.0279
Reactive Organic Gases Tons/Yr: 0.02790001
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0.8179453
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.7852275

Name: RECYCLING CENTER AND TRANSFER STATION
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2016
County Code: 7

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Database(s)

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RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.019400005
Reactive Organic Gases Tons/Yr: 0.019400005
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 7.488687055
Part. Matter 10 Micrometers and Smlr Tons/Yr:7.189139583

Name: RECYCLING CENTER AND TRANSFER STATION
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2017
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.019400005
Reactive Organic Gases Tons/Yr: 0.019400005
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 0.800724033
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.768695072

Name: RECYCLING CENTER AND TRANSFER STATION
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2018
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.019412878
Reactive Organic Gases Tons/Yr: 0.019412878
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 0.92423823
Part. Matter 10 Micrometers and Smlr Tons/Yr:0.887268702

Name: RECYCLING CENTER AND TRANSFER STATION
Address: 1300 LOVERIDGE ROAD

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Database(s)

EDR ID Number
EPA ID Number

RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

City,State,Zip: PITTSBURG, CA 94565
Year: 2019
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.019412878
Reactive Organic Gases Tons/Yr: 0.019412878
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 1.002054782
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.961972592

Name: RECYCLING CENTER AND TRANSFER STATION
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Year: 2020
County Code: 7
Air Basin: SF
Facility ID: 9902
Air District Name: BA
SIC Code: 4953
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.019412878
Reactive Organic Gases Tons/Yr: 0.019412878
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: 0.933010635
Part. Matter 10 Micrometers and Smllr Tons/Yr:0.895690211

HWP:

EPA ID: CAT000624809
Name: CROWN CORK & SEAL CO INC
Address: 1300 LOVERIDGE ROAD
Cleanup Status: PROTECTIVE FILER
Latitude: 38.01903
Longitude: -121.8580
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Supervisor: Not reported
Site Code: Not reported
Senate District: 07
Assembly District: 14
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: Not reported
Project Manager Lead: Not reported
Project Manager: Not reported
Permit Type: RCRA

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EDR ID Number
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RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

Permit Effective Date: Not reported
Permit Expiration Date: Not reported
Calenviroscreen Score: 76-80%
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAT000624809
Facility Type: Historical - Non-Operating
Facility Name: CROWN CORK & SEAL CO INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: PROTECTIVE FILER
Activity Type: Protective Filer Status
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: Not reported
Title Description: Protective Filer
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, TANKSTR1
Event Description: Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date: 08/27/1987

EPA ID: CAT000624809
Facility Type: Historical - Non-Operating
Facility Name: CROWN CORK & SEAL CO INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: PROTECTIVE FILER
Activity Type: Protective Filer Status
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: Not reported
Title Description: Protective Filer
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, TANKSTR1
Event Description: Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date: 11/14/1988

Alias:

EPA ID: CAT000624809
Facility Type: Historical - Non-Operating
Facility Name: CROWN CORK & SEAL CO INC
Facility Status: PROTECTIVE FILER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Envirostor ID Number
Alias: 70000149

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EDR ID Number
EPA ID Number

RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

EPA ID: CAT000624809
Facility Type: Historical - Non-Operating
Facility Name: CROWN CORK & SEAL CO INC
Facility Status: PROTECTIVE FILER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Alternate Name
Alias: Continental Can Company-Plant 80

CERS:

Name: FORMER CROWN CORK AND SEAL COMPANY, INC
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 654850
CERS ID: SLT2O210313
CERS Description: Cleanup Program Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: LAURENT MEILLIER - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title: Not reported
Affiliation Address: 1515 CLAY ST. SUITE 1400
Affiliation City: OAKLAND
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: RECYCLING CENTER AND TRANSFER STATION
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565-2801
Site ID: 482218
CERS ID: 110013853473
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc: Property Owner
Entity Name: GARAVENTA FMLY TRST
Entity Title: Not reported
Affiliation Address: POBOX 5397
Affiliation City: CONCORD
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: TIM BREDBENNER
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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RECYCLING CENTER AND TRANSFER STATION (Continued)

1006826283

Affiliation Type Desc: Environmental Contact
Entity Name: JIM NEJEDLY
Entity Title: ENVIRONMENTAL CONTACT
Affiliation Address: POBOX 5397
Affiliation City: CONCORD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Gary Lazdowski
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Owner
Entity Name: RECYCLING CTR AND TRANSFER STA
Entity Title: OWNER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

F29 **CROWN CORK AND SEAL COMPANY INC PLT 69**
WSW **1300 LOVERIDGE RD**
1/2-1 **PITTSBURG, CA 94565**
0.675 mi.
3564 ft. **Site 3 of 4 in cluster F**

Relative:
Higher

Actual:
30 ft.

SEMS **1000412901**
CORRACTS **CAT000624809**
RCRA-SQG
ENVIROSTOR
SWF/LF
CPS-SLIC
AST
CERS HAZ WASTE
SWEEPS UST
HIST UST
CERS TANKS
FINDS
ECHO
ENF
HAZNET
NPDES
PROC
WDS
CIWQS
CERS
HWTS

SEMS:
Site ID: 0900256
EPA ID: CAT000624809
Name: CONTINENTAL CAN CO USA PLT 80
Address: 1300 LOVERIDGE RD

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Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565
Cong District: 07
FIPS Code: 06013
Latitude: 38.026667
Longitude: -121.885000
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Detail:

Region: 09
Site ID: 0900256
EPA ID: CAT000624809
Site Name: CONTINENTAL CAN CO USA PLT 80
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0900256
EPA ID: CAT000624809
Site Name: CONTINENTAL CAN CO USA PLT 80
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-09-12 04:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900256
EPA ID: CAT000624809
Site Name: CONTINENTAL CAN CO USA PLT 80
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-04-01 05:00:00
Finish Date: 1991-04-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

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Database(s)

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EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

CORRACTS:

Name: CROWN CORK AND SEAL COMPANY INC PLT 69
Address: 1300 LOVERIDGE RD
Address 2: Not reported
EPA ID: CAT000624809
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19990630
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA Listings:

Date Form Received by Agency: 19960901
Handler Name: Crown Cork And Seal Company Inc Plt 69
Handler Address: 1300 LOVERIDGE RD
Handler City,State,Zip: PITTSBURG, CA 94565
EPA ID: CAT000624809
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Ca
State District: 2
Mailing Address: 1300 LOVERIDGE ROAD
Mailing City,State,Zip: PITTSBURG, CA 94565
Owner Name: Not reported
Owner Type: Not reported
Operator Name: Name Not Reported
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported

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Database(s)

EDR ID Number
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CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRAs Permit Baseline:	Not on the Baseline
2018 GPRAs Renewals Baseline:	Not on the Baseline
202 GPRAs Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020917
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NAME NOT REPORTED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ADDRESS NOT REPORTED
Owner/Operator City,State,Zip:	CITY NOT REPORTED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CROWN BEVERAGE PACKAGING INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name:	CROWN CORK AND SEAL COMPANY INC PLT 69
Federal Waste Generator Description:	Small Quantity Generator

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CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19910705
Handler Name: CROWN CORK AND SEAL COMPANY INC PLT 69
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900327
Handler Name: CONTINENTAL FOOD PACKAGING PLANT #469DEL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 332431
NAICS Description: METAL CAN MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910130
Actual Return to Compliance Date:	19910528
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910528
Actual Return to Compliance Date:	19960528
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19870827
Actual Return to Compliance Date:	19870925
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19871102
Enforcement Identifier:	001
Date of Enforcement Action:	19870925
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19870903
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910130
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910528
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910528
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19960528

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Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870827
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870925
Scheduled Compliance Date:	19871102
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ENVIROSTOR:

Name:	CROWN CORK & SEAL CO INC
Address:	1300 LOVERIDGE ROAD
City,State,Zip:	PITTSBURG, CA 945650000
Facility ID:	80001806
Status:	Inactive - Needs Evaluation
Status Date:	06/29/2009
Site Code:	201515
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	7.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	Daniel Murphy
Division Branch:	Cleanup Berkeley
Assembly:	15
Senate:	9
Special Program:	Not reported

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CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.01903
Longitude: -121.8580
APN: 073200015, USS-POSCO Industries Site L-A
Past Use: NONE SPECIFIED
Potential COC: Benzene Lead TPH-diesel TPH-gas TPH-MOTOR OIL TPH-Stoddard Solvent
Lead, Organic (tetraethyl lead)
Confirmed COC: Benzene Lead TPH-diesel TPH-gas 30343-NO TPH-MOTOR OIL TPH-Stoddard
Solvent
Potential Description: CSS, IA, OTH, SOIL, SV, UE
Alias Name: Continental Can Company-Plant 80
Alias Type: Alternate Name
Alias Name: Contra Costa Waste Services Incorporated
Alias Type: Alternate Name
Alias Name: Mount Diablo Recycling Center
Alias Type: Alternate Name
Alias Name: 073200015
Alias Type: APN
Alias Name: USS-POSCO Industries Site L-A
Alias Type: APN
Alias Name: CAT000624809
Alias Type: EPA Identification Number
Alias Name: 201515
Alias Type: Project Code (Site Code)
Alias Name: 70000149
Alias Type: Envirostor ID Number
Alias Name: 80001806
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 03/30/1981
Comments: PART A completed on 11/3/1980, ISD Issued by USEPA and DHS 3/30/1981

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Agreement Terminated Notification
Completed Date: 03/24/1982
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Agreement Terminated Notification
Completed Date: 11/14/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/06/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
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CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Completed Document Type: Consent Order
Completed Date: 06/30/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/30/1999
Comments: RCRA Facility Assessment Completed, RFA report dated 6/1999

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/10/1991
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: CONTINENTAL CAN COMPANY-PLANT 80
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94590
Facility ID: 70000149
Status: Refer: RWQCB
Status Date: 05/01/1994
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 7.5
NPL: NO
Regulatory Agencies: HWMP, RWQCB 2 - San Francisco Bay
Lead Agency: RWQCB 2 - San Francisco Bay
Program Manager: Not reported
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Assembly: 15
Senate: 9
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 38.01900
Longitude: -121.8581
APN: 73200015
Past Use: MANUFACTURING - OTHER
Potential COC: 1,1-Dichloroethane 1,1-Dichloroethylene
Confirmed COC: 3 019 230 194
Potential Description: OTH, SOIL
Alias Name: CROWN CORK & SEAL CO INC
Alias Type: Alternate Name

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CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Alias Name: Costa Contra Waste Services
Alias Type: Alternate Name
Alias Name: Crown Cork & Seal
Alias Type: Alternate Name
Alias Name: 073200015
Alias Type: APN
Alias Name: CAT000624809
Alias Type: EPA Identification Number
Alias Name: 70000149
Alias Type: Envirostor ID Number
Alias Name: 80001806
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/04/2006
Comments: Completed with EPA concurrence. The project is currently being overseen by the Water Board.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWF/LF (SWIS):

Name: RECYCLING CENTER & TRANSFER STATION
Address: 1300 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Region: STATE
Facility ID: 07-AC-0043
SWIS Number: 07-AC-0043
Point of Contact: Harprit Mattu
Is Archived: No
Is Closed Illegal Abandoned: No
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Operational Status: Active
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
ARB District: Bay Area
SWRCB Region: San Francisco Bay
Local Government: Pittsburg
Reporting Agency Legal Name: City of Pittsburg
Reporting Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Enforcing Agency Legal Name: City of Pittsburg
Enforcing Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Regulation Status: Permitted

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Activity:

SWIS Number: 07-AC-0043
Site Name: Recycling Center & Transfer Station
Activity: Large Volume Transfer/Processing Facility
Activity Is Archived: No
Category: Transfer/Processing
Activity Classification: Solid Waste Facility
WDR Number: Not reported
WDR Landfill Class: Not reported
Cease Operation: Not reported
Cease Operation Type: Not reported
Inspection Frequency: Monthly
Throughput: 1500
Throughput Units: Tons per day
Remaining Capacity: Not reported
Remaining Capacity Date: Not reported
Capacity: 1500
Capacity Units: Tons per day
Total Acreage: 11.3
Disposal Acreage: Not reported
Permitted Elevation: Not reported
Permitted Elevation Type: Not reported
Permitted Depth: Not reported
Permitted Depth Type: Not reported
Point of Contact: Harprit Mattu
Site Operational Status: Active
Site Regulatory Status: Permitted
Site Is Archived: No
Is Closed Illegal Abandoned: No
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
County: Contra Costa
ARB District: Bay Area
SWRCB Region: San Francisco Bay
Local Government: Pittsburg
Street Address: 1300 Loveridge Rd
City: Pittsburg
State: CA
ZIP Code: 94565
Reporting Agency Legal Name: City of Pittsburg
Reporting Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Enforcing Agency Legal Name: City of Pittsburg
Enforcing Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency

Operator:

SWIS Number: 07-AC-0043
Site Name: Recycling Center & Transfer Station
Site Operational Status: Active
Site Type: Non-Disposal Only
Site Regulatory Status: Permitted
Latitude: 38.01941
Longitude: -121.85818

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Is Archived: No
Operator: Contra Costa Waste Services, Inc.
Started On: Not reported
Contact Name: Not reported
Contact Title: President/Owner
Contact Email: Not reported
Contact Phone: (925) 689-8390
Street Address: 4080 Mallard Drive
Operator City: Concord
Operator State: CA
Operator Zip: 94520

Owner:

SWIS Number: 07-AC-0043
Owner: Contra Costa Waste Services, Inc.
Owner Address: 4080 Mallard Dr
Owner City: Concord
Owner State: CA
Owner Zip: 94520
Site Name: Recycling Center & Transfer Station
Site Operational Status: Active
Site Type: Non-Disposal Only
Site Regulatory Status: Permitted
Latitude: 38.01941
Longitude: -121.85818
Is Archived: No
Started On: Not reported
Contact Name: Not reported
Contact Title: President/Owner
Contact Email: Not reported
Contact Phone: (925) 689-8390

Waste:

SWIS Number: 07-AC-0043
Site Name: Recycling Center & Transfer Station
Activity: Large Volume Transfer/Processing Facility
Waste Type: Construction/demolition
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Permitted
Site Type: Non-Disposal Only
Point of Contact: Harprit Mattu
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Permitted
Activity Category: Transfer/Processing
Activity Classification: Solid Waste Facility

SWIS Number: 07-AC-0043
Site Name: Recycling Center & Transfer Station
Activity: Large Volume Transfer/Processing Facility
Waste Type: Industrial
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Permitted
Site Type: Non-Disposal Only

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CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Point of Contact: Harprit Mattu
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Permitted
Activity Category: Transfer/Processing
Activity Classification: Solid Waste Facility

SWIS Number: 07-AC-0043
Site Name: Recycling Center & Transfer Station
Activity: Large Volume Transfer/Processing Facility
Waste Type: Mixed municipal
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Permitted
Site Type: Non-Disposal Only
Point of Contact: Harprit Mattu
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Permitted
Activity Category: Transfer/Processing
Activity Classification: Solid Waste Facility

Name: CCW WOOD CHIPPING / GRINDING
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Region: STATE
Facility ID: 07-AC-0044
SWIS Number: 07-AC-0044
Point of Contact: Harprit Mattu
Is Archived: No
Is Closed Illegal Abandoned: No
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Operational Status: Active
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
ARB District: Bay Area
SWRCB Region: San Francisco Bay
Local Government: Pittsburg
Reporting Agency Legal Name: City of Pittsburg
Reporting Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Enforcing Agency Legal Name: City of Pittsburg
Enforcing Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Regulation Status: Notification

Activity:
SWIS Number: 07-AC-0044
Site Name: CCW Wood Chipping / Grinding
Activity: Chipping and Grinding Facility/Operation
Activity Is Archived: No
Category: Composting
Activity Classification: Solid Waste Facility
WDR Number: Not reported
WDR Landfill Class: Not reported
Cease Operation: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Cease Operation Type: Not reported
Inspection Frequency: Annual
Throughput: 200
Throughput Units: Tons per day
Remaining Capacity: Not reported
Remaining Capacity Date: Not reported
Capacity: 25000
Capacity Units: Tons per year
Total Acreage: 2.2
Disposal Acreage: Not reported
Permitted Elevation: Not reported
Permitted Elevation Type: Not reported
Permitted Depth: Not reported
Permitted Depth Type: Not reported
Point of Contact: Harprit Mattu
Site Operational Status: Active
Site Regulatory Status: Notification
Site Is Archived: No
Is Closed Illegal Abandoned: No
Is Site Inert Debris Engineered Fill: No
Is Financial Assurances Responsible: No
Absorbed On: Not reported
Absorbed By: Not reported
Closed Illegal Abandoned Category: Not reported
EPA Federal Registry ID: Not reported
County: Contra Costa
ARB District: Bay Area
SWRCB Region: San Francisco Bay
Local Government: Pittsburg
Street Address: 1300 Loveridge Road
City: Pittsburg
State: CA
ZIP Code: 94565
Reporting Agency Legal Name: City of Pittsburg
Reporting Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency
Enforcing Agency Legal Name: City of Pittsburg
Enforcing Agency Department: Environmental Affairs Division, Solid Waste / Local Enforcement Agency

Operator:
SWIS Number: 07-AC-0044
Site Name: CCW Wood Chipping / Grinding
Site Operational Status: Active
Site Type: Non-Disposal Only
Site Regulatory Status: Notification
Latitude: 38.01846
Longitude: -121.8575
Is Archived: No
Operator: Contra Costa Waste Services
Started On: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: (925) 689-8390
Street Address: 4080 Mallard Drive
Operator City: Concord
Operator State: CA
Operator Zip: 94520

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EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Owner:

SWIS Number: 07-AC-0044
Owner: Contra Costa Waste Services
Owner Address: 4080 Mallard Dr
Owner City: Concord
Owner State: CA
Owner Zip: 94520
Site Name: CCW Wood Chipping / Grinding
Site Operational Status: Active
Site Type: Non-Disposal Only
Site Regulatory Status: Notification
Latitude: 38.01846
Longitude: -121.8575
Is Archived: No
Started On: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Email: Not reported
Contact Phone: (925) 689-8390

Waste:

SWIS Number: 07-AC-0044
Site Name: CCW Wood Chipping / Grinding
Activity: Chipping and Grinding Facility/Operation
Waste Type: Green Materials
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Notification
Site Type: Non-Disposal Only
Point of Contact: Harprit Mattu
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Notification
Activity Category: Composting
Activity Classification: Solid Waste Facility

CPS-SLIC:

Name: FORMER CROWN CORK AND SEAL COMPANY, INC
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Region: STATE
Facility Status: Open - Assessment & Interim Remedial Action
Status Date: 05/17/2021
Global Id: SLT2O210313
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number: Not reported
Latitude: 38.01848
Longitude: -121.858313
Case Type: Cleanup Program Site
Case Worker: LG
Local Agency: CONTRA COSTA COUNTY
RB Case Number: 2020026
File Location: Regional Board
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Trichloroethylene (TCE)

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CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

EPA Region: 9
Coordinate Source: Manual Entry on Screens
Cuf Case: NO
Quantity Released Gallons: 0
Begin Date: 03/08/2001
Leak Reported Date: 01/31/2004
How Discovered: Other Means
How Discovered Description: unknown
Discharge Source: Other
Discharge Cause: Unknown
Stop Method: Change Operating Procedures
Stop Description: unknown
No Further Action Date: Not reported
CA Water Watershed Name: Suisun - Concord - Pittsburg - In Delta (207.34)
Dwr Groundwater Subbasin Name: Pittsburg Plain (2-004)
Disadvantaged Community: Not reported
CA EnviroScreen 3 Score: 76-80%
CA EnviroScreen 4 Score: 80-85%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: SAN FRANCISCO BAY RWQCB (REGION 2)
Site History: The general decreasing trend in VOC concentrations and the DO levels in onsite wells continue to suggest that natural attenuation processes are occurring at the site.

[Click here to access the California GeoTracker records for this facility:](#)

AST:

Name: RECYCLING CENTER & TRANSFER STATION
Address: 1300 LOVERIDGE RD
City/Zip: PITTSBURG,94565
Certified Unified Program Agencies: Not reported
Owner: Garaventa Family Trust
Total Gallons: Not reported
CERSID: 10006315
Facility ID: 07-000-721765
Business Name: RECYCLING CENTER & TRANSFER STATION
Phone: 925-473-0180
Fax: 925-771-8348
Mailing Address: P O Box 1307
Mailing Address City: Pittsburg
Mailing Address State: CA
Mailing Address Zip Code: 94565
Operator Name: Recycling Center & Transfer Station
Operator Phone: 925-473-0180
Owner Phone: 925-689-8390
Owner Mail Address: P O Box 5397
Owner State: CA
Owner Zip Code: 94524
Owner Country: United States
Property Owner Name: Garaventa Family Trust
Property Owner Phone: 925-689-8390
Property Owner Mailing Address: P O Box 5397
Property Owner City: Concord
Property Owner Stat : CA
Property Owner Zip Code: 94524
Property Owner Country: United States

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Database(s)

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CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

EPAID: CAL000137939

Name: RECYCLING CENTER & TRANSFER STATION
Address: 1300 LOVERIDGE RD
City/Zip: PITTSBURG,
Certified Unified Program Agencies: Contra Costa
Owner: Not reported
Total Gallons: 9,000
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

CERS HAZ WASTE:

Name: RECYCLING CENTER & TRANSFER STATION
Address: 1300 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 60871
CERS ID: 10006315
CERS Description: Hazardous Waste Generator

SWEEPS UST:

Name: CONTINENTAL CAN COMPANY, USA
Address: 1300 LOVERIDGE RD
City: PITTSBURG
Status: Not reported
Comp Number: 21765
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 07-000-021765-000001
Tank Status: Not reported
Capacity: 3000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: 1

HIST UST:

Name: CONTINENTAL CAN COMPANY USA
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
File Number: 000229b0
URL: <https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000229b0.pdf>
Region: STATE
Facility ID: 00000021765
Facility Type: Other
Other Type: Not reported
Contact Name: RICH CLOUSTON
Telephone: 4154323501
Owner Name: CONTINENTAL CAN COMPANY, USA
Owner Address: 1300 LOVERIDGE ROAD
Owner City,St,Zip: PITTSBURG, CA 94565
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1954
Tank Capacity: 00003000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3/8
Leak Detection: Visual

[Click here for Geo Tracker PDF:](#)

CERS TANKS:

Name: RECYCLING CENTER & TRANSFER STATION
Address: 1300 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 60871
CERS ID: 10006315
CERS Description: Aboveground Petroleum Storage

FINDS:

Registry ID: 110000610223

[Click Here for FRS Facility Detail Report:](#)

Environmental Interest/Information System:

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

SUPERFUND (NON-NPL)

Registry ID: 110055824924

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

STATE MASTER

Registry ID: 110070726529

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000412901
Registry ID: 110000610223
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000610223>
Name: CONTINENTAL CAN CO USA PLT 80
Address: 1300 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565

ENF:

Name: FORMER CROWN CORK & SEAL CO
Address: 1300 LOVERIDGE
City,State,Zip: PITTSBURG, CA
Region: 2
Facility Id: 226192
Agency Name: Crown Cork & Seal Company, Inc
Place Type: Facility
Place Subtype: Not reported
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: Not reported
Place Longitude: Not reported
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UNREGS
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	2 07S0137
Reg Measure Id:	169448
Reg Measure Type:	Unregulated
Region:	2
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/21/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	239517
Region:	2
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	03/18/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 2 07S0137
Description:	Comments to Work Plan and Request for Additional Information
Program:	UNREGS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

HAZNET:

Name: THE HOME DEPOT
Address: 1300 LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565
Contact: MIKE MADDOCKS
Telephone: 7703843540
Mailing Name: Not reported
Mailing Address: 160 CHAPEL RD STE 201

Year: 2013
Gepaid: CAC002753943
TSD EPA ID: NVD980895338
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0025

Year: 2013
Gepaid: CAC002753943
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0025

Year: 2013
Gepaid: CAC002753943
TSD EPA ID: NVD980895338
CA Waste Code: -
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0455

Additional Info:

Year: 2013
Gen EPA ID: CAC002753943

Shipment Date: 20131213
Creation Date: 4/24/2014 22:15:08
Receipt Date: 20131218
Manifest ID: 000663606PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSD Alt EPA ID: Not reported
TSD Alt Name: Not reported

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D016
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	D007
Additional Code 3:	D005
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20131213
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131218
Manifest ID:	000663606PSC
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0435
Waste Quantity:	87
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131213
Creation Date:	4/24/2014 22:15:08
Receipt Date:	20131218
Manifest ID:	000663606PSC
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20131213
Creation Date: 4/24/2014 22:15:08
Receipt Date: 20131218
Manifest ID: 000663606PSC
Trans EPA ID: CAR000210617
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: NVD980895338
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D035
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0025
Waste Quantity: 5
Quantity Unit: P
Additional Code 1: D018
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

NPDES:

Name: MT DIABLO RESOURCE RECOVERY
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 2 07C397646
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Active
Status Date: 06/01/2022
Operator Name: Garaventa Properties

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Operator Address: PO Box 5397
Operator City: Concord
Operator State: California
Operator Zip: 94524

Name: MT DIABLO RESOURCE RECOVERY
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Facility Status: Active
NPDES Number: CAS000002
Region: 2
Agency Number: 0
Regulatory Measure ID: 549492
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 2 07C397646
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 06/01/2022
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: PO Box 5397
Discharge Name: Garaventa Properties
Discharge City: Concord
Discharge State: California
Discharge Zip: 94524
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

PROC:

Name: MT DIABLO PAPER STOCK
Address: 1300 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Reg Id: 18442
Cert Id: PR0505
Organization Id: Not reported
Organization Name: Mt Diablo Paper Stock
Mailing Address: Po Box 1307
Mailing City: Pittsburg
Mailing State: CA
Mailing Zip Code: 94565
Website: Not reported
Email: Not reported
Phone Number: (925) 682-4518
Rural: N/A
Operation Begin Date: 08/20/2009
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Hours of Operation: Mon - Fri 5:00 am - 5:00 pm; Sat - Sun Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

WDS:

Name: RECYCLING CENTER & TRANSFER ST
Address: 1300 LOVERIDGE RD
City: PITTSBURG
Facility ID: San Francisco Bay 07I011211
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 2
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: CONTRA COSTA WASTE SERVICES
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Not reported
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name: CONTRA COSTA WASTE SERVICES RE
Address: 1300 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Agency: Contra Costa Waste Services
Agency Address: PO Box 5397, Concord, CA 94524
Place/Project Type: Industrial - Local Trucking Without Storage
SIC/NAICS: 4212
Region: 2
Program: INDSTW
Regulatory Measure Status: Terminated

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 2 071011211
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 10/13/1994
Termination Date: 02/04/2014
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.01789
Longitude: -121.85789

Name: MT DIABLO RESOURCE RECOVERY PARK PROJECT
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Agency: Contra Costa Waste Services Inc, DBA Mt Diablo Resource Recovery
Agency Address: P.O. Box 1307, Pittsburg, CA 94565
Place/Project Type: Dredge/Fill Site
SIC/NAICS: Not reported
Region: 2
Program: CERFILLEXC
Regulatory Measure Status: Active
Regulatory Measure Type: Enrollee - 401 Certification
Order Number: 2004-0004-DWQ
WDID: 2 CW447497
NPDES Number: Not reported
Adoption Date: Not reported
Effective Date: 05/20/2022
Termination Date: Not reported
Expiration/Review Date: 05/20/2027
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.018351
Longitude: -121.859246

Name: MT DIABLO RESOURCE RECOVERY
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Agency: Garaventa Properties
Agency Address: PO Box 5397, Concord, CA 94524
Place/Project Type: Construction - Commercial
SIC/NAICS: Not reported
Region: 2
Program: CONSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 2 07C397646

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 06/01/2022
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 38.02062
Longitude: -121.859014

CERS:

Name: CROWN CORK & SEAL CO
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 945650000
Site ID: 606864
CERS ID: 80001806
CERS Description: Corrective Action

Affiliation:

Affiliation Type Desc: Supervisor
Entity Name: DANIEL MURPHY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: CROWN CORK & SEAL CO INC
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 945650000
Site ID: 606865
CERS ID: CAT000624809
CERS Description: Hazardous Waste

Affiliation:

Affiliation Type Desc: Facility Owner
Entity Name: CROWN CORK & SEAL CO
Entity Title: Not reported
Affiliation Address: ONE CROWN WAY
Affiliation City: PHILADELPHIA
Affiliation State: PA
Affiliation Country: Not reported
Affiliation Zip: 191544599
Affiliation Phone: 2156985100,

Affiliation Type Desc: Facility Contact
Entity Name: ROGER CHENG/EHS MANAGER
Entity Title: Not reported
Affiliation Address: 2200 WILBUR AVE
Affiliation City: ANTIOCH
Affiliation State: CA

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Affiliation Country: Not reported
Affiliation Zip: 945090000
Affiliation Phone: 5107974165,

Name: MT DIABLO RESOURCE RECOVERY
Address: 1300 LOVERIDGE ROAD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 622156
CERS ID: 904281
CERS Description: Construction Storm Water

Name: RECYCLING CENTER & TRANSFER STATION
Address: 1300 LOVERIDGE RD
City,State,Zip: PITTSBURG, CA 94565
Site ID: 60871
CERS ID: 10006315
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 10-18-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to have a licensed professional engineer properly review and certify the SPCC Plan.
Violation Notes: Returned to compliance on 11/17/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 10-18-2017
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 11/17/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 06-12-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/30/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 10-18-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Violation Description: Section(s) Multiple
Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 10/18/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 10-18-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to conduct spill prevention briefing for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan.

Violation Notes: Returned to compliance on 11/17/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 05-09-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Tiered Permitting Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/10/2016.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 06-12-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 06/24/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 06-12-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple

Violation Description: Haz Waste Generator Program - Training - General
Violation Notes: Returned to compliance on 07/07/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 06-12-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Violation Description: Section(s) Multiple
Violation Notes: Business Plan Program - Training - General
Returned to compliance on 08/25/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 10-18-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,
Section(s) Multiple

Violation Description: Business Plan Program - Training - General
Violation Notes: Returned to compliance on 11/17/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 06-12-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,
Section(s) Multiple

Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/25/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 06-12-2015
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67,
Section(s) Multiple

Violation Description: APSA Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 09/30/2015.
Violation Division: Contra Costa County Health Services Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 10-18-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,
Section(s) Multiple

Violation Description: Hazardous Waste Generator Program - Abandonment/Illegal
Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 10/18/2017.
Violation Division: Contra Costa County Health Services Department
Violation Program: HW
Violation Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Violation Date: 11-07-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter
6.95, Section(s) 25508(a)(1)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 12/05/2019. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. The most recently submitted site map is missing emergency shut off, loading areas and evacuation staging area. CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division: Contra Costa County Health Services Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:

Eval General Type: Other/Unknown
Eval Date: 09-30-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-18-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-26-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-09-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-09-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported

Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-18-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-07-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 01-09-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Eval General Type: Other/Unknown
Eval Date: 09-01-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-30-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-18-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Contra Costa County Health Services Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Site Address: 1300 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 10-18-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Site Address: 1300 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 10-18-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Site Address: 1300 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 05-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Site Address: 1300 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-12-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Site Address: 1300 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-12-2015
Enf Action Type: Notice of Violation (Unified Program)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Site Address: 1300 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 10-18-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Site Address: 1300 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 06-12-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS,

Site ID: 60871
Site Name: RECYCLING CENTER & TRANSFER STATION
Site Address: 1300 LOVERIDGE RD
Site City: PITTSBURG
Site Zip: 94565
Enf Action Date: 11-07-2019
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Contra Costa County Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:

Site ID: 60871
Facility Name: RECYCLING CENTER & TRANSFER STATION
Env Int Type Code: HWG
Program ID: 10006315
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 38.019009
Longitude: -121.858162

Affiliation:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P O Box 1307
Affiliation City: Pittsburg
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94565
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Recycling Center & Transfer Station
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: CONTRA COSTA WASTE SERVICES INC DBA MT. DIABLO RESOUCRE RECOVERY
Entity Title: Not reported
Affiliation Address: P O Box 5397
Affiliation City: Concord
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94524
Affiliation Phone: (925) 689-8390,

Affiliation Type Desc: Document Preparer
Entity Name: Vincent Colvis
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Jim Nejedly
Entity Title: Not reported
Affiliation Address: PO BOX 5397
Affiliation City: CONCORD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94524
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Vincent Colvis
Entity Title: Operations Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: CONTRA COSTA WASTE SERVICES INCE DBA MT. DIABLO RESOURCE RECOVERY
Entity Title: Not reported
Affiliation Address: P O Box 5397
Affiliation City: CONCORD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94524
Affiliation Phone: (925) 689-8390,

Affiliation Type Desc: CUPA District
Entity Name: Contra Costa County Health Services Department
Entity Title: Not reported
Affiliation Address: 4585 Pacheco BlvdSuite 100
Affiliation City: Martinez
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94553
Affiliation Phone: (925) 655-3200,

Affiliation Type Desc: Operator
Entity Name: Recycling Center & Transfer Station
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 473-0180,

HWTS:

Name: THE HOME DEPOT
Address: 1300 LOVERIDGE RD
Address 2: Not reported
City,State,Zip: PITTSBURG, CA 94565
EPA ID: CAC002753943
Inactive Date: 03/11/2014
Create Date: 12/10/2013
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 5151 SAN FELIPE ST
Mailing Address 2: Not reported
Mailing City,State,Zip: HOUSTON, TX 770560000
Owner Name: HOME DEPOT USA
Owner Address: 2455 PACES FERRY RD
Owner Address 2: Not reported
Owner City,State,Zip: ATLANTA, GA 30339
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: CHRIS BAKER
Contact Address: 5151 SAN FELIPE ST
Contact Address 2: Not reported
City,State,Zip: HOUSTON, TX 77056

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CROWN CORK AND SEAL COMPANY INC PLT 69 (Continued)

1000412901

Contact Phone: Not reported
 Contact Fax: Not reported
 Facility Status: Inactive
 Facility Type: TEMPORARY
 Category: STATE
 Latitude: 38.01881
 Longitude: -121.857544

NAICS:
 EPA ID: CAC002753943
 Create Date: 2013-12-10 07:23:31.553
 NAICS Code: 44411
 NAICS Description: Home Centers
 Issued EPA ID Date: 2013-12-10 07:23:31.55700
 Inactive Date: 2014-03-11 07:23:00
 Facility Name: THE HOME DEPOT
 Facility Address: 1300 LOVERIDGE RD
 Facility Address 2: Not reported
 Facility City: PITTSBURG
 Facility County: Not reported
 Facility State: CA
 Facility Zip: 94565

F30
WSW
1/2-1
0.697 mi.
3679 ft.

BOMBARDIER TRANSPORTATION
1461 LOVERIDGE RD
PITTSBURG, CA 94565
Site 4 of 4 in cluster F

ENVIROSTOR **1006822368**
CONTRA COSTA CO. SITE LIST **N/A**

Relative:
Higher
Actual:
33 ft.

ENVIROSTOR:
 Name: ABB DAMILER
 Address: 1461 LOVERIDGE ROAD
 City,State,Zip: PITTSBURG, CA 94565
 Facility ID: 7550006
 Status: No Further Action
 Status Date: 05/22/2003
 Site Code: Not reported
 Site Type: Evaluation
 Site Type Detailed: Evaluation
 Acres: 40
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Karen Toth
 Division Branch: Cleanup Berkeley
 Assembly: 15
 Senate: 9
 Special Program: EPA - PASI
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: EPA Grant
 Latitude: 38.01567
 Longitude: -121.8557
 APN: 073-230-033-0
 Past Use: NONE
 Potential COC: NONE SPECIFIED No Contaminants found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BOMBARDIER TRANSPORTATION (Continued)

1006822368

Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: Not reported
Alias Type: Not reported

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CONTRA COSTA CO. SITE LIST:

Name: BOMBARDIER TRANSPORTATION
Address: 1461 LOVERIDGE RD
City: PITTSBURG
Facility ID: FA0028823
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HMBP: 1K-10K LBS, 20+ EMPLOYEES
Region: CONTRA COSTA
Cupa Number: 772109
CERS ID: 10014184

Name: BOMBARDIER TRANSPORTATION
Address: 1461 LOVERIDGE RD
City: PITTSBURG
Facility ID: FA0028823
Billing Status: INACTIVE, NON-BILLABLE
Program Status: CONTRA COSTA CO. SITE LIST
Program/Elements: HWG: 12 - <25 TONS/YEAR
Region: CONTRA COSTA
Cupa Number: 772109
CERS ID: 10014184

31
WSW
1/2-1
0.858 mi.
4531 ft.

**KEMWATER NORTH AMERICA
LOVERIDGE ROAD & PITTS-ANT HGY
PITTSBURG, CA 94565**

**ENVIROSTOR 1007739060
HWP N/A**

**Relative:
Higher
Actual:
34 ft.**

ENVIROSTOR:
Name: KEMWATER NORTH AMERICA
Address: LOVERIDGE ROAD & PITTS-ANT HGY
City,State,Zip: PITTSBURG, CA 945650000
Facility ID: 80001307
Status: Inactive - Needs Evaluation
Status Date: 06/26/2009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KEMWATER NORTH AMERICA (Continued)

1007739060

Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 2 - San Francisco Bay
Lead Agency: RWQCB 2 - San Francisco Bay
Program Manager: Not reported
Supervisor: Daniel Murphy
Division Branch: Cleanup Berkeley
Assembly: 15
Senate: 9
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.01501
Longitude: -121.8600
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD000626572
Alias Type: EPA Identification Number
Alias Name: 110018997317
Alias Type: EPA (FRS #)
Alias Name: 80001307
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 11/01/1987
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:

EPA ID: CAD000626572
Name: KEMWATER NORTH AMERICA
Address: LOVERIDGE ROAD & PITTS-ANT HGY
Cleanup Status: PROTECTIVE FILER
Latitude: 38.01501
Longitude: -121.8600
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Supervisor: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KEMWATER NORTH AMERICA (Continued)

1007739060

Site Code: Not reported
Senate District: 07
Assembly District: 11
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: Not reported
Project Manager Lead: Not reported
Project Manager: Not reported
Permit Type: RCRA
Permit Effective Date: Not reported
Permit Expiration Date: Not reported
Calenviroscreen Score: 81-85%
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAD000626572
Facility Type: Historical - Non-Operating
Facility Name: KEMWATER NORTH AMERICA
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: PROTECTIVE FILER
Activity Type: Protective Filer Status
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: Not reported
Title Description: Protective Filer
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1
Event Description: Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date: 11/05/1985

EPA ID: CAD000626572
Facility Type: Historical - Non-Operating
Facility Name: KEMWATER NORTH AMERICA
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: PROTECTIVE FILER
Activity Type: Protective Filer Status
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: Not reported
Title Description: Protective Filer
Due Date: Not reported
Comments: Not reported
Unit Names: SURFSTR1
Event Description: Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date: 05/28/1985

Alias:

EPA ID: CAD000626572

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KEMWATER NORTH AMERICA (Continued)

1007739060

Facility Type: Historical - Non-Operating
Facility Name: KEMWATER NORTH AMERICA
Facility Status: PROTECTIVE FILER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: FRS
Alias: 110018997317

32
SW
1/2-1
0.871 mi.
4598 ft.

ANTIOCH BUILDING MATERIALS
1375 CALIFORNIA AVENUE
PITTSBURG, CA 94565

ENVIROSTOR S103994738
EMI N/A
NPDES
CIWQS

Relative:
Higher
Actual:
46 ft.

ENVIROSTOR:
Name: ANTIOCH BUILDING MATERIALS
Address: 1375 CALIFORNIA AVENUE
City,State,Zip: PITTSBURG, CA 94565
Facility ID: 7520001
Status: Inactive - Needs Evaluation
Status Date: 05/22/2003
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: RWQCB 2 - San Francisco Bay
Lead Agency: RWQCB 2 - San Francisco Bay
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Berkeley
Assembly: 15
Senate: 9
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 38.01289
Longitude: -121.8588
APN: 73230024
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * UNSPECIFIED OIL CONTAINING WASTE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Not reported
Alias Type: Not reported

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTIOCH BUILDING MATERIALS (Continued)

S103994738

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:

Name: GRANITE ROCK COMPANY
Address: 1375 CALIFORNIA
City,State,Zip: PITTSBURG, CA 945650000
Year: 1995
County Code: 7
Air Basin: SF
Facility ID: 8374
Air District Name: BA
SIC Code: 1442
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smlr Tons/Yr:1

NPDES:

Name: ANTIOCH BLDG MATERIALS
Address: 1375 CALIFORNIA AVE
City,State,Zip: PITTSBURG, CA 94565
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 2 071003617
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Terminated
Status Date: 06/22/2017
Operator Name: Niels Susan Larsen
Operator Address: PO Box 870

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTIOCH BUILDING MATERIALS (Continued)

S103994738

Operator City: Antioch
Operator State: California
Operator Zip: 94509

NPDES as of 03/2018:
NPDES Number: Not reported
Status: Not reported
Agency Number: Not reported
Region: 2
Regulatory Measure ID: 181825
Order Number: Not reported
Regulatory Measure Type: Industrial
Place ID: Not reported
WDID: 2 07I003617
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 06/22/2017
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Received Date: 05/09/2008
Processed Date: 04/06/1992
Status: Terminated
Status Date: 06/22/2017
Place Size: 15
Place Size Unit: Acres
Contact: Sloan Larsen
Contact Title: CEO
Contact Phone: 925-432-0171
Contact Phone Ext: Not reported
Contact Email: sloan@antiochbuilding.com
Operator Name: Niels Susan Larsen
Operator Address: PO Box 870
Operator City: Antioch
Operator State: California
Operator Zip: 94509
Operator Contact: Sloan Larsen
Operator Contact Title: Not reported
Operator Contact Phone: 925-432-0171
Operator Contact Phone Ext: Not reported
Operator Contact Email: sloan@antiochbuilding.com
Operator Type: Private Business
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: California
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: 925-432-0171
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTIOCH BUILDING MATERIALS (Continued)

S103994738

Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Sacramentosan Joaquin River D
Certifier:	Sloan Larsen
Certifier Title:	CEO
Certification Date:	23-JUL-15
Primary Sic:	3273-Ready-Mixed Concrete
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	2
Regulatory Measure ID:	181825
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	2 07I003617
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/06/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/22/2017
Discharge Name:	Niels Susan Larsen
Discharge Address:	PO Box 870
Discharge City:	Antioch
Discharge State:	California
Discharge Zip:	94509
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTIOCH BUILDING MATERIALS (Continued)

S103994738

Operator Zip: Not reported
Operator Contact: Not reported
Operator Contact Title: Not reported
Operator Contact Phone: Not reported
Operator Contact Phone Ext: Not reported
Operator Contact Email: Not reported
Operator Type: Not reported
Developer: Not reported
Developer Address: Not reported
Developer City: Not reported
Developer State: Not reported
Developer Zip: Not reported
Developer Contact: Not reported
Developer Contact Title: Not reported
Constype Linear Utility Ind: Not reported
Emergency Phone: Not reported
Emergency Phone Ext: Not reported
Constype Above Ground Ind: Not reported
Constype Below Ground Ind: Not reported
Constype Cable Line Ind: Not reported
Constype Comm Line Ind: Not reported
Constype Commercial Ind: Not reported
Constype Electrical Line Ind: Not reported
Constype Gas Line Ind: Not reported
Constype Industrial Ind: Not reported
Constype Other Description: Not reported
Constype Other Ind: Not reported
Constype Recons Ind: Not reported
Constype Residential Ind: Not reported
Constype Transport Ind: Not reported
Constype Utility Description: Not reported
Constype Utility Ind: Not reported
Constype Water Sewer Ind: Not reported
Dir Discharge Uswater Ind: Not reported
Receiving Water Name: Not reported
Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:

Name: ANTIOCH BLDG MATERIALS
Address: 1375 CALIFORNIA AVE
City,State,Zip: PITTSBURG, CA 94565
Agency: Niels Susan Larsen
Agency Address: PO Box 870, Antioch, CA 94509
Place/Project Type: Industrial - Ready-Mixed Concrete
SIC/NAICS: 3273
Region: 2
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 2 071003617

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTIOCH BUILDING MATERIALS (Continued)

S103994738

NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/06/1992
Termination Date:	06/22/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	38.01252
Longitude:	-121.86163

Count: 16 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ANTIOCH	S100833470	PACIFIC GAS AND ELECTRIC - JWP	SOMERSVILLE AND BUCHANAN ROADS	94509	CA BOND EXP. PLAN
BAY POINT	S128001976	PITTSBURG JUNCTION	38 02 02.72 N PITTSBURG JCT 12	94565	CERS HAZ WASTE
PITTSBURG	1026057720	GENERON IGS PITTSBURG CA	992 ARCY LANE	94565	RCRA-SQG
PITTSBURG	1026135869	GENERON IGS PITTSBURG CA	992 ARCY LANE	94565	ECHO
PITTSBURG	1026407969	GENERON IGS PITTSBURG CA	992 ARCY LANE	94565	FINDS, PFAS ECHO
PITTSBURG	S117707912	PITTSBURG CITY ST	CITY OF PITTSBURG ST	94565	NPDES, CIWQS
PITTSBURG	S121664489	PITTSBURG ANTIOCH HWY	FROM ARCY LN TO COLUMBIA ST	94565	CIWQS
PITTSBURG	S123742432	1X PITTSBURG UNIFIED SCHOOL DISTRICT	PITTSBURG HIGH SCHOOL	94565	HAZNET, HWTS
PITTSBURG	S124741164	1X PITTSBURG UNIFIED SCHOOL DIST	PITTSBURG HIGH SCHOOL	94565	HWTS
PITTSBURG	2018013899	UP PITTSBURG YARD MP 50.45	UP PITTSBURG YARD MP 50.45	94565	HMIRS
PITTSBURG	2018010429	UP PITTSBURG CA. YARD	UP PITTSBURG CA. YARD	94565	HMIRS
PITTSBURG	1023359924	VERIZON WIRELESS PITTSBURG LANDING	3500 PITTSBURG-ANTIOCH HWY	94565	FINDS
PITTSBURG	2017000119	UPRR PITTSBURG YARD. MP 48.5	UPRR PITTSBURG YARD. MP 48.5	94565	HMIRS
PORT CHICAGO	2018018719	MP 48.91/UPRR PITTSBURG YARD	MP 48.91/UPRR PITTSBURG YARD	94565	HMIRS
PORT CHICAGO	2018003987	UPRR PITTSBURG YARD	UPRR PITTSBURG YARD	94565	HMIRS
RIO VISTA	U003139261	PG&E DROUIN COMPRESSOR STATION	.7 MILE SOUTH OF 3RD ST	94571	LUST, UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2023	Source: EPA
Date Data Arrived at EDR: 05/02/2023	Telephone: N/A
Date Made Active in Reports: 05/17/2023	Last EDR Contact: 07/06/2023
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/09/2023
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2023	Source: EPA
Date Data Arrived at EDR: 05/02/2023	Telephone: N/A
Date Made Active in Reports: 05/17/2023	Last EDR Contact: 07/06/2023
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/09/2023
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2023
Date Data Arrived at EDR: 03/28/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/26/2023	Source: EPA
Date Data Arrived at EDR: 05/02/2023	Telephone: 800-424-9346
Date Made Active in Reports: 05/17/2023	Last EDR Contact: 07/06/2023
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/23/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023	Source: EPA
Date Data Arrived at EDR: 03/09/2023	Telephone: 800-424-9346
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 06/20/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 06/20/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 06/20/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 06/20/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 06/20/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/08/2023	Source: Department of the Navy
Date Data Arrived at EDR: 02/09/2023	Telephone: 843-820-7326
Date Made Active in Reports: 05/02/2023	Last EDR Contact: 05/23/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/21/2023
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/20/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/21/2023	Telephone: 703-603-0695
Date Made Active in Reports: 05/02/2023	Last EDR Contact: 05/23/2023
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/04/2023
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/20/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/21/2023	Telephone: 703-603-0695
Date Made Active in Reports: 05/02/2023	Last EDR Contact: 05/23/2023
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/04/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/20/2023

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 03/21/2023

Telephone: 202-267-2180

Date Made Active in Reports: 05/30/2023

Last EDR Contact: 06/20/2023

Number of Days to Update: 70

Next Scheduled EDR Contact: 10/02/2023

Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity.

These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/24/2023

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 04/25/2023

Telephone: 916-323-3400

Date Made Active in Reports: 07/13/2023

Last EDR Contact: 04/25/2023

Number of Days to Update: 79

Next Scheduled EDR Contact: 08/07/2023

Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/24/2023

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 04/25/2023

Telephone: 916-323-3400

Date Made Active in Reports: 07/13/2023

Last EDR Contact: 04/25/2023

Number of Days to Update: 79

Next Scheduled EDR Contact: 08/07/2023

Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/06/2023

Source: Department of Resources Recycling and Recovery

Date Data Arrived at EDR: 02/07/2023

Telephone: 916-341-6320

Date Made Active in Reports: 04/26/2023

Last EDR Contact: 05/08/2023

Number of Days to Update: 78

Next Scheduled EDR Contact: 08/21/2023

Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2023	Source: EPA, Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-7439
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/26/2023	Source: EPA Region 6
Date Data Arrived at EDR: 05/09/2023	Telephone: 214-665-6597
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/20/2023	Source: EPA Region 4
Date Data Arrived at EDR: 05/09/2023	Telephone: 404-562-8677
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 05/09/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/20/2023	Source: EPA Region 1
Date Data Arrived at EDR: 05/09/2023	Telephone: 617-918-1313
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023	Source: EPA Region 10
Date Data Arrived at EDR: 05/09/2023	Telephone: 206-553-2857
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: 866-480-1028
Date Made Active in Reports: 03/31/2023	Last EDR Contact: 06/05/2023
Number of Days to Update: 24	Next Scheduled EDR Contact: 09/18/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/26/2023
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/20/2023	Source: EPA Region 4
Date Data Arrived at EDR: 05/09/2023	Telephone: 404-562-9424
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/20/2023	Source: EPA, Region 1
Date Data Arrived at EDR: 05/09/2023	Telephone: 617-918-1313
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2023	Source: EPA Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-6136
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/19/2023	Source: EPA Region 9
Date Data Arrived at EDR: 05/09/2023	Telephone: 415-972-3368
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/13/2023
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/24/2023	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/25/2023	Telephone: 916-323-3400
Date Made Active in Reports: 07/13/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 08/07/2023
	Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/20/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/21/2023	Telephone: 916-323-7905
Date Made Active in Reports: 06/06/2023	Last EDR Contact: 06/14/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 04/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/13/2023	Telephone: 202-566-2777
Date Made Active in Reports: 04/19/2023	Last EDR Contact: 06/08/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 09/25/2023
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/31/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/11/2023
Number of Days to Update: 84

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/17/2023	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 04/18/2023	Telephone: 916-323-2514
Date Made Active in Reports: 07/06/2023	Last EDR Contact: 07/18/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/23/2023	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/24/2023	Telephone: 916-323-3400
Date Made Active in Reports: 03/23/2023	Last EDR Contact: 06/06/2023
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/26/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/02/2023	Telephone: 202-564-6023
Date Made Active in Reports: 05/17/2023	Last EDR Contact: 07/06/2023
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/09/2023
	Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/27/2023	Source: DTSC and SWRCB
Date Data Arrived at EDR: 02/28/2023	Telephone: 916-323-3400
Date Made Active in Reports: 05/17/2023	Last EDR Contact: 05/25/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/19/2023	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/21/2023	Telephone: 202-366-4555
Date Made Active in Reports: 05/30/2023	Last EDR Contact: 06/20/2023
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/15/2023	Source: Office of Emergency Services
Date Data Arrived at EDR: 04/28/2023	Telephone: 916-845-8400
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/18/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023	Source: State Water Quality Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: 866-480-1028
Date Made Active in Reports: 03/30/2023	Last EDR Contact: 06/05/2023
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2023
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: 866-480-1028
Date Made Active in Reports: 03/31/2023	Last EDR Contact: 06/05/2023
Number of Days to Update: 24	Next Scheduled EDR Contact: 09/18/2023
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 06/20/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/13/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/01/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/16/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/16/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 75

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/19/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 83

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/04/2022	Telephone: 202-564-8600
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 06/12/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/26/2023	Source: EPA
Date Data Arrived at EDR: 05/02/2023	Telephone: 202-564-6023
Date Made Active in Reports: 05/17/2023	Last EDR Contact: 07/06/2023
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/14/2023
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023	Source: EPA
Date Data Arrived at EDR: 04/04/2023	Telephone: 202-566-0500
Date Made Active in Reports: 06/09/2023	Last EDR Contact: 07/07/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/27/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/15/2023	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/21/2023	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2023	Last EDR Contact: 07/12/2023
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2021	Source: Department of Energy
Date Data Arrived at EDR: 04/14/2023	Telephone: 202-586-8719
Date Made Active in Reports: 07/10/2023	Last EDR Contact: 05/25/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 05/25/2023
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/04/2023
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/14/2023
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 07/05/2023
Number of Days to Update: 546	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023	Source: Department of Energy
Date Data Arrived at EDR: 03/03/2023	Telephone: 202-586-3559
Date Made Active in Reports: 06/09/2023	Last EDR Contact: 04/26/2023
Number of Days to Update: 98	Next Scheduled EDR Contact: 08/14/2023
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 05/24/2023
Number of Days to Update: 74	Next Scheduled EDR Contact: 08/28/2023
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/26/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/02/2023	Telephone: 703-603-8787
Date Made Active in Reports: 05/17/2023	Last EDR Contact: 07/06/2023
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/09/2023
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/22/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/24/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/17/2023
Date Data Arrived at EDR: 03/17/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 74

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 24

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/25/2023
Date Data Arrived at EDR: 03/31/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 54

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilities name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 04/27/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2023	Telephone: 202-272-0167
Date Made Active in Reports: 05/02/2023	Last EDR Contact: 07/06/2023
Number of Days to Update: 5	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/06/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: 866-480-1028
Date Made Active in Reports: 05/05/2023	Last EDR Contact: 06/02/2023
Number of Days to Update: 59	Next Scheduled EDR Contact: 09/18/2023
	Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 03/06/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: 916-341-5455
Date Made Active in Reports: 05/23/2023	Last EDR Contact: 06/02/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/18/2023
	Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/20/2023	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/21/2023	Telephone: 916-323-3400
Date Made Active in Reports: 06/06/2023	Last EDR Contact: 06/14/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/09/2022	Telephone: 925-454-2361
Date Made Active in Reports: 05/17/2022	Last EDR Contact: 05/08/2023
Number of Days to Update: 8	Next Scheduled EDR Contact: 08/21/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/17/2023	Source: South Coast Air Quality Management District
Date Data Arrived at EDR: 02/17/2023	Telephone: 909-396-3211
Date Made Active in Reports: 05/09/2023	Last EDR Contact: 05/17/2023
Number of Days to Update: 81	Next Scheduled EDR Contact: 09/04/2023
	Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/23/2023	Source: Antelope Valley Air Quality Management District
Date Data Arrived at EDR: 02/24/2023	Telephone: 661-723-8070
Date Made Active in Reports: 05/15/2023	Last EDR Contact: 05/23/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Northern Sonoma County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 04/17/2019	Source: Santa Barbara County Air Pollution Control District
Date Data Arrived at EDR: 04/17/2019	Telephone: 707-433-5911
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1475	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 01/16/2018	Source: Placer County Air Quality Management District
Date Data Arrived at EDR: 04/19/2019	Telephone: 530-745-2335
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 05/11/2023
Number of Days to Update: 1473	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 01/12/2023	Source: Eastern Kern Air Pollution Control District
Date Data Arrived at EDR: 04/26/2023	Telephone: 661-862-9684
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019	Source: Bay Area Air Quality Management District
Date Data Arrived at EDR: 05/30/2019	Telephone: 415-516-1916
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 07/13/2023
Number of Days to Update: 1432	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management District Drycleaner Facility Listing
Butte County Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 12/31/2018	Source: Butte County Air Quality Management District
Date Data Arrived at EDR: 04/23/2019	Telephone: 530-332-9400
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 07/13/2023
Number of Days to Update: 1469	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019	Source: Calaveras County Environmental Management Agency
Date Data Arrived at EDR: 06/19/2019	Telephone: 209-754-6399
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/24/2023
Number of Days to Update: 1412	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 04/25/2023	Source: Imperial County Air Pollution Control District
Date Data Arrived at EDR: 04/26/2023	Telephone: 442-265-1800
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 04/17/2019	Source: Glenn County Air Pollution Control District
Date Data Arrived at EDR: 04/17/2019	Telephone: 530-934-6500
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 05/03/2023
Number of Days to Update: 1475	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 04/27/2023	Source: Mendocino County Air Quality Management District
Date Data Arrived at EDR: 04/28/2023	Telephone: 707-463-4354
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN GRANT: Grant Recipients List

Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2020	Source: California Air Resources Board
Date Data Arrived at EDR: 02/04/2021	Telephone: 916-323-0006
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 05/11/2023
Number of Days to Update: 816	Next Scheduled EDR Contact: 08/07/2023
	Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/26/2023	Source: Mojave Desert Air Quality Management District
Date Data Arrived at EDR: 04/27/2023	Telephone: 760-245-1661
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 04/29/2019	Source: Lake County Air Quality Management District
Date Data Arrived at EDR: 05/07/2019	Telephone: 707-263-7000
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 05/11/2023
Number of Days to Update: 1455	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 04/25/2023	Source: Monterey Bay Air Quality Management District
Date Data Arrived at EDR: 04/26/2023	Telephone: 831-647-9411
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/26/2023	Source: Shasta County Air Quality Management District
Date Data Arrived at EDR: 04/27/2023	Telephone: 530-225-5674
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016	Source: North Coast Unified Air Quality Management District
Date Data Arrived at EDR: 04/19/2019	Telephone: 707-443-3093
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1473	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 04/25/2023	Source: Yolo-Solano Air Quality Management District
Date Data Arrived at EDR: 04/27/2023	Telephone: 530-757-3650
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019	Source: Northern Sierra Air Quality Management District
Date Data Arrived at EDR: 05/07/2019	Telephone: 530-274-9350
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1455	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 02/01/2019	Source: San Diego County Air Pollution Control District
Date Data Arrived at EDR: 05/01/2019	Telephone: 858-586-2616
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1461	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 04/24/2019	Source: Sacramento Metropolitan Air Quality Management District
Date Data Arrived at EDR: 04/25/2019	Telephone: 916-874-3958
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 1467	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019	Source: Santa Barbara County Air Pollution Control District
Date Data Arrived at EDR: 04/17/2019	Telephone: 805-961-8867
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1475	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 05/01/2019	Source: San Joaquin Valley Air Pollution Control District
Date Data Arrived at EDR: 05/03/2019	Telephone: 559-230-6001
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 05/11/2023
Number of Days to Update: 1459	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 04/23/2019	Source: San Luis Obispo County Air Pollution Control District
Date Data Arrived at EDR: 04/25/2019	Telephone: 805-781-5756
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1467	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019	Source: Tehama County Air Pollution Control District
Date Data Arrived at EDR: 04/24/2019	Telephone: 530-527-3717
Date Made Active in Reports: 05/01/2023	Last EDR Contact: 04/25/2023
Number of Days to Update: 1468	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023	Source: Amador Air Quality Management District
Date Data Arrived at EDR: 04/27/2023	Telephone: 209-257-0112
Date Made Active in Reports: 07/13/2023	Last EDR Contact: 04/24/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023	Source: Feather River Air Quality Management District
Date Data Arrived at EDR: 03/09/2023	Telephone: 530-634-7659
Date Made Active in Reports: 06/05/2023	Last EDR Contact: 06/08/2023
Number of Days to Update: 88	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Annually

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/09/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/11/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 06/28/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/15/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTATES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/13/2023	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/14/2023	Telephone: 916-323-3400
Date Made Active in Reports: 05/08/2023	Last EDR Contact: 05/16/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/28/2023
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/03/2023	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/04/2023	Telephone: 916-440-7145
Date Made Active in Reports: 06/27/2023	Last EDR Contact: 06/29/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2022	Telephone: 916-255-1136
Date Made Active in Reports: 09/19/2022	Last EDR Contact: 07/07/2023
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/06/2023	Source: Department of Conservation
Date Data Arrived at EDR: 03/07/2023	Telephone: 916-322-1080
Date Made Active in Reports: 05/23/2023	Last EDR Contact: 06/02/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/18/2023
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/09/2023	Source: Department of Public Health
Date Data Arrived at EDR: 02/28/2023	Telephone: 916-558-1784
Date Made Active in Reports: 05/17/2023	Last EDR Contact: 05/25/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/06/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/07/2023	Telephone: 916-445-9379
Date Made Active in Reports: 04/28/2023	Last EDR Contact: 05/08/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/21/2023
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 02/27/2023	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 02/28/2023	Telephone: 916-445-4038
Date Made Active in Reports: 05/22/2023	Last EDR Contact: 05/25/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 09/11/2023
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/06/2023	Source: Department of Conservation
Date Data Arrived at EDR: 03/07/2023	Telephone: 916-323-3836
Date Made Active in Reports: 03/31/2023	Last EDR Contact: 06/02/2023
Number of Days to Update: 24	Next Scheduled EDR Contact: 09/18/2023
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/09/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/10/2023	Telephone: 916-445-3846
Date Made Active in Reports: 05/24/2023	Last EDR Contact: 06/06/2023
Number of Days to Update: 75	Next Scheduled EDR Contact: 09/25/2023
	Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 11/05/2020	Telephone: 408-535-7694
Date Made Active in Reports: 01/26/2021	Last EDR Contact: 04/26/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/14/2023
	Data Release Frequency: Annually

SANTA CRUZ CO SITE MITI: Site Mitigation Listing

Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities. The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018	Source: Santa Cruz Environmental Health Services
Date Data Arrived at EDR: 06/23/2023	Telephone: 831-454-2761
Date Made Active in Reports: 07/13/2023	Last EDR Contact: 05/10/2023
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/28/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/06/2023	Source: Department of Conservation
Date Data Arrived at EDR: 03/07/2023	Telephone: 916-445-2408
Date Made Active in Reports: 03/31/2023	Last EDR Contact: 06/02/2023
Number of Days to Update: 24	Next Scheduled EDR Contact: 09/18/2023
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 03/06/2023	Source: State Water Resource Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: 866-480-1028
Date Made Active in Reports: 03/31/2023	Last EDR Contact: 06/05/2023
Number of Days to Update: 24	Next Scheduled EDR Contact: 09/18/2023
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 07/01/2021	Telephone: 559-445-5577
Date Made Active in Reports: 09/29/2021	Last EDR Contact: 07/07/2023
Number of Days to Update: 90	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 05/10/2023
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/28/2023
	Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 06/13/2023
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 03/06/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: 866-480-1028
Date Made Active in Reports: 03/31/2023	Last EDR Contact: 06/05/2023
Number of Days to Update: 24	Next Scheduled EDR Contact: 09/18/2023
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/05/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: No Update Planned

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/13/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 03/29/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 75

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 03/17/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 75

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 01/30/2023
Date Data Arrived at EDR: 02/01/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 34

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/31/2023
Number of Days to Update: 34

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/06/2023
Date Made Active in Reports: 06/26/2023
Number of Days to Update: 81

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/11/2023
Date Made Active in Reports: 06/26/2023
Number of Days to Update: 76

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/14/2023
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 01/12/2022	Telephone: 626-458-6973
Date Made Active in Reports: 04/04/2022	Last EDR Contact: 07/13/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/23/2023
	Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 11/01/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 12/14/2022	Telephone: 213-978-3800
Date Made Active in Reports: 03/07/2023	Last EDR Contact: 06/22/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 12/14/2022	Telephone: 213-978-3800
Date Made Active in Reports: 03/07/2023	Last EDR Contact: 06/22/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 10/02/2023
	Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/02/2023	Source: Community Health Services
Date Data Arrived at EDR: 04/18/2023	Telephone: 323-890-7806
Date Made Active in Reports: 07/07/2023	Last EDR Contact: 04/18/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 07/31/2023
	Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 07/05/2023
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/23/2023
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 07/11/2023
Number of Days to Update: 65	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/12/2023	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 05/02/2023	Telephone: 310-618-2973
Date Made Active in Reports: 06/13/2023	Last EDR Contact: 07/11/2023
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/12/2020	Telephone: 559-675-7823
Date Made Active in Reports: 10/23/2020	Last EDR Contact: 05/10/2023
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/28/2023
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 06/21/2023
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/09/2023
	Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021	Source: Department of Public Health
Date Data Arrived at EDR: 11/18/2021	Telephone: 707-463-4466
Date Made Active in Reports: 11/22/2021	Last EDR Contact: 05/17/2023
Number of Days to Update: 4	Next Scheduled EDR Contact: 09/04/2023
	Data Release Frequency: Annually

MERCED COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MERCED: CUPA Facility List CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/13/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/25/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 75

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 89

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/04/2023
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/01/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/12/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/12/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 62

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 02/08/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/04/2023
Number of Days to Update: 84

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/15/2023
Date Data Arrived at EDR: 02/15/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 83

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/04/2023
Date Data Arrived at EDR: 04/05/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

SAN FRANCISCO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing

a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 04/11/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 07/11/2023
Number of Days to Update: 89

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/09/2023
Date Data Arrived at EDR: 02/10/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 84

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 05/31/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 02/10/2023
Date Data Arrived at EDR: 02/10/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 84

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/27/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 80

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/27/2023
Date Data Arrived at EDR: 04/21/2023
Date Made Active in Reports: 07/07/2023
Number of Days to Update: 77

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 12

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/02/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/03/2023	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/18/2023	Telephone: 530-666-8646
Date Made Active in Reports: 06/13/2023	Last EDR Contact: 06/21/2023
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/09/2023
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2023	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 01/27/2023	Telephone: 530-749-7523
Date Made Active in Reports: 04/19/2023	Last EDR Contact: 05/03/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/07/2023
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 11/16/2022	Telephone: 860-424-3375
Date Made Active in Reports: 02/06/2023	Last EDR Contact: 05/11/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/21/2023
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 06/27/2023
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/29/2021	Telephone: 518-402-8651
Date Made Active in Reports: 01/19/2022	Last EDR Contact: 04/27/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/07/2023
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/10/2022
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HCYCLE PITTSBURG
NOT REPORTED
ANTIOCH, CA 94509

TARGET PROPERTY COORDINATES

Latitude (North):	38.021424 - 38° 1' 17.13"
Longitude (West):	121.844285 - 121° 50' 39.43"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	601443.4
UTM Y (Meters):	4208616.5
Elevation:	14 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12021565 ANTIOCH NORTH, CA
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

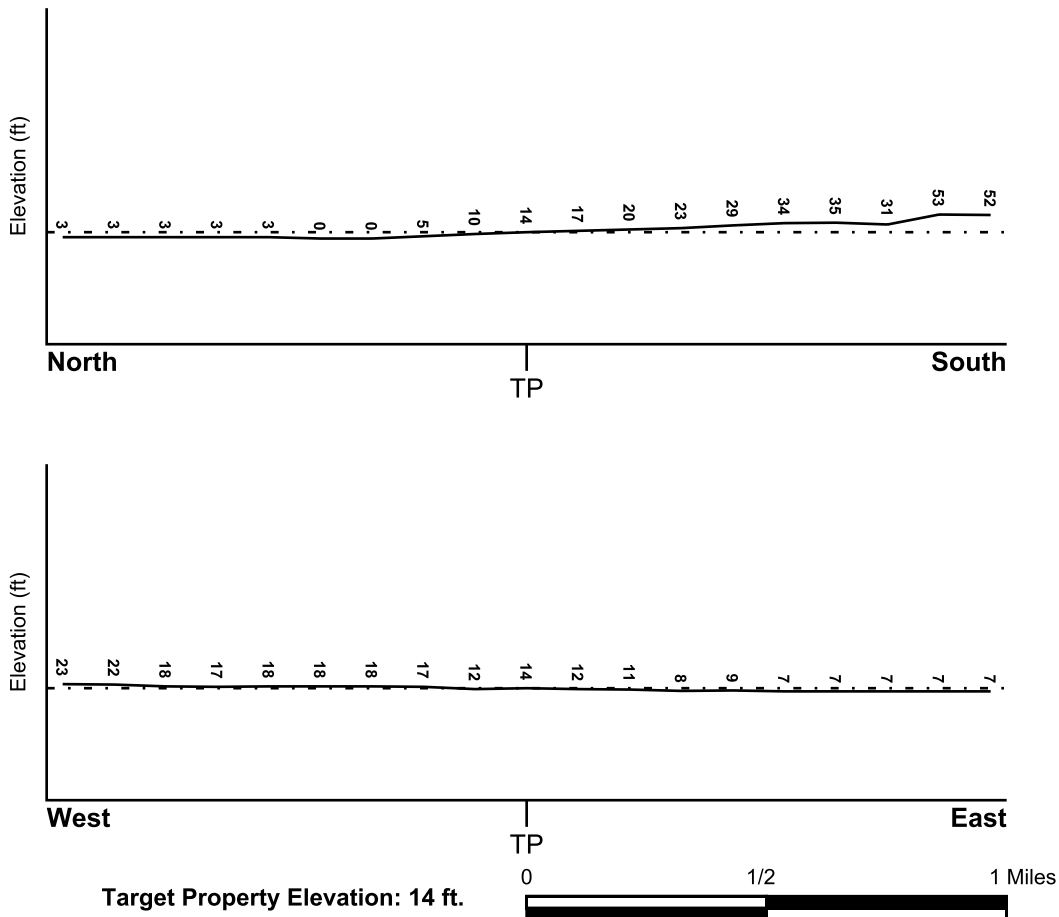
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06013C0138G	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06013C0136G	FEMA FIRM Flood data
06013C0137G	FEMA FIRM Flood data
06013C0139G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ANTIOCH NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

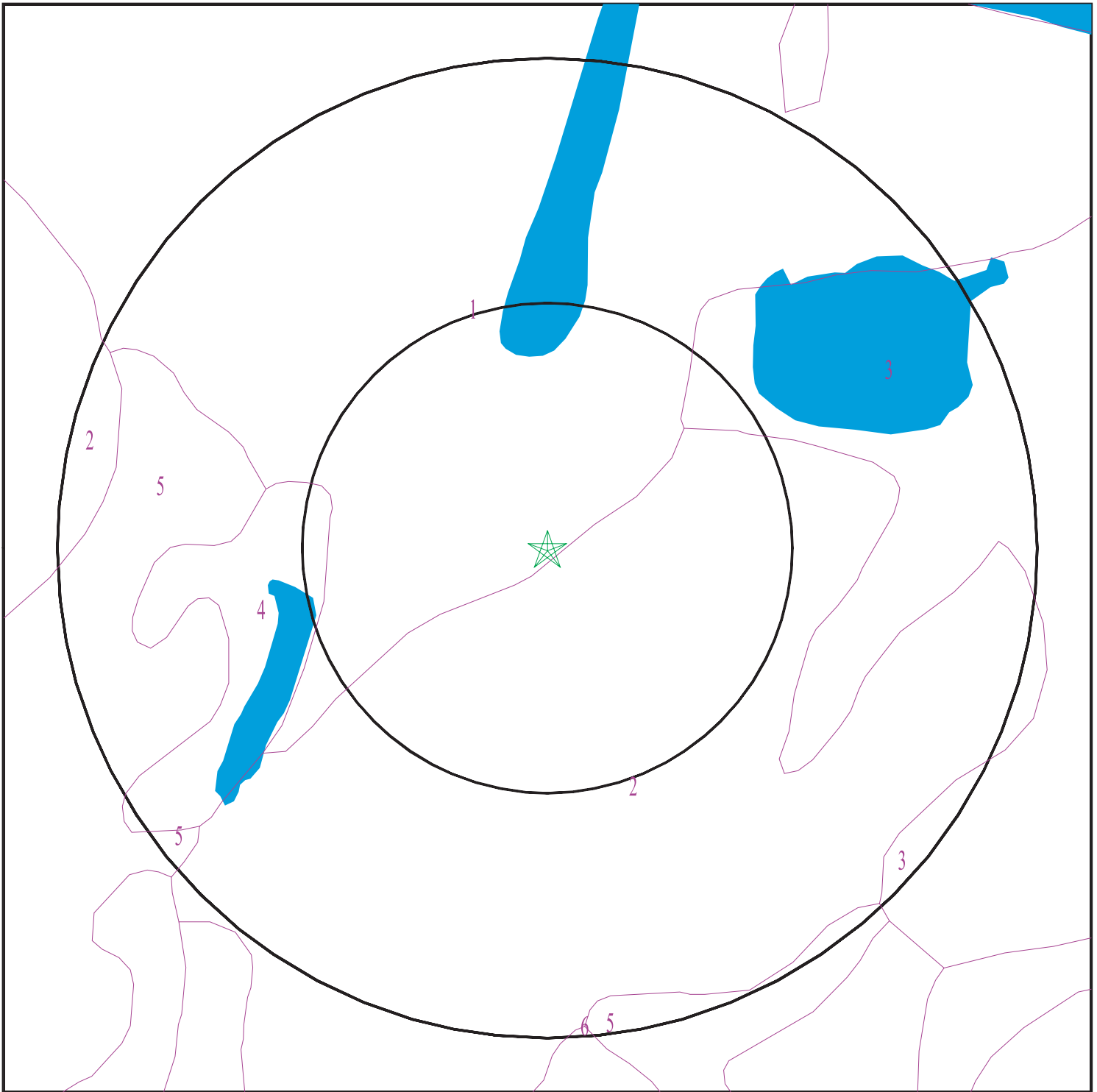
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

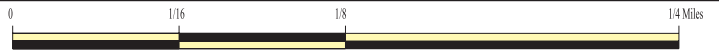
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7394520.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Hcycle Pittsburg
ADDRESS: Not Reported
Antioch CA 94509
LAT/LONG: 38.021424 / 121.844285

CLIENT: TRC
CONTACT: Gary Lieberman
INQUIRY #: 7394520.2s
DATE: July 19, 2023 4:21 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: CLEAR LAKE

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	29 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: RINCON

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	11 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	29 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: JOICE

Soil Surface Texture: muck

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	muck	A-8	Highly organic soils, Peat.	Max: 141 Min: 42	Max: Min:
2	14 inches	59 inches	muck	A-8	Highly organic soils, Peat.	Max: 141 Min: 42	Max: Min:

Soil Map ID: 4

Soil Component Name: Water

Soil Surface Texture: muck

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: RINCON

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	11 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	29 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

Soil Map ID: 6

Soil Component Name: CAPAY

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	35 inches	51 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	51 inches	72 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
Q69	USGS40000186535	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

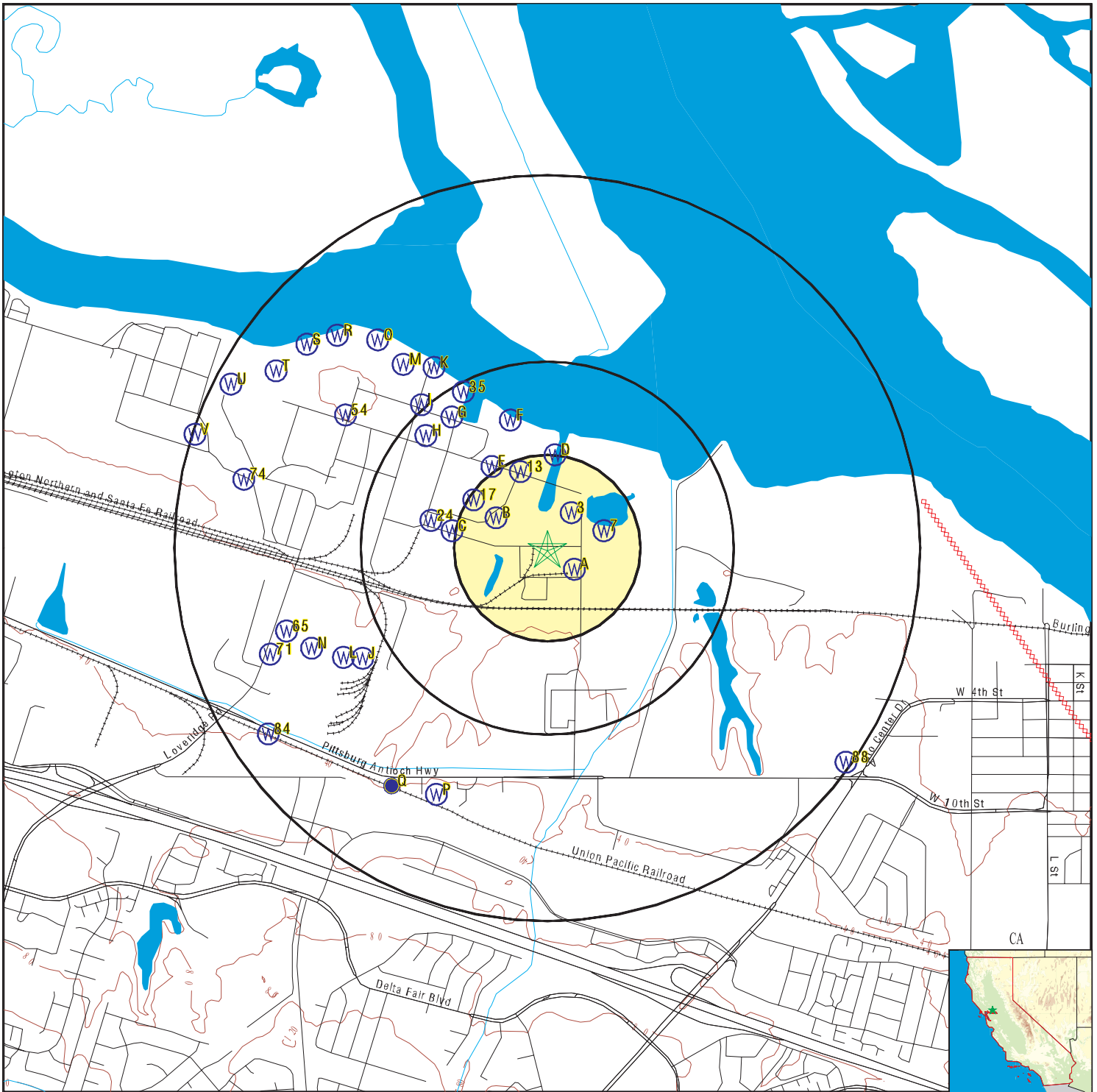
MAP ID	WELL ID	LOCATION FROM TP
A1	CAEDF0000001011	0 - 1/8 Mile SE
A2	CAEDF0000052197	0 - 1/8 Mile SE
3	CAEDF0000070990	0 - 1/8 Mile NE
B4	CAEDF0000089492	1/8 - 1/4 Mile WNW
B5	CAEDF0000067643	1/8 - 1/4 Mile West
B6	CAEDF0000040441	1/8 - 1/4 Mile West
7	CAEDF0000038695	1/8 - 1/4 Mile ENE
B8	CAEDF0000115533	1/8 - 1/4 Mile NW
B9	CAEDF0000036809	1/8 - 1/4 Mile NW
B10	CAEDF0000139175	1/8 - 1/4 Mile NW
B11	CAEDF0000001106	1/8 - 1/4 Mile WNW
B12	CAEDF0000055415	1/8 - 1/4 Mile NW
13	CAEDF0000102382	1/8 - 1/4 Mile NNW
C14	CAEDF0000136080	1/8 - 1/4 Mile WNW
C15	CAEDF0000086417	1/8 - 1/4 Mile West
C16	CAEDF0000125829	1/8 - 1/4 Mile West
17	CAEDF0000090280	1/8 - 1/4 Mile WNW
D18	CAEDF0000032129	1/8 - 1/4 Mile North
D19	CAEDF0000034355	1/4 - 1/2 Mile North
E20	CAEDF0000055956	1/4 - 1/2 Mile NW
E21	CAEDF0000061450	1/4 - 1/2 Mile NW
C22	CAEDF0000023573	1/4 - 1/2 Mile West
C23	CAEDF0000110053	1/4 - 1/2 Mile West
24	CAEDF0000057917	1/4 - 1/2 Mile WNW
F25	CAEDF0000057364	1/4 - 1/2 Mile NNW
F26	CAEDF0000109024	1/4 - 1/2 Mile NNW
F27	CAEDF0000067575	1/4 - 1/2 Mile NNW
G28	CAEDF0000082728	1/4 - 1/2 Mile NW
H29	CAEDF0000071126	1/4 - 1/2 Mile NW
G30	CAEDF0000062005	1/4 - 1/2 Mile NW
G31	CAEDF0000080557	1/4 - 1/2 Mile NW
H32	CAEDF0000036252	1/4 - 1/2 Mile NW
H33	CAEDF0000124245	1/4 - 1/2 Mile NW
H34	CAEDF0000079457	1/4 - 1/2 Mile NW
35	CAEDF0000136351	1/4 - 1/2 Mile NNW
G36	CAEDF0000140660	1/4 - 1/2 Mile NW
I37	CAEDF0000087590	1/4 - 1/2 Mile NW
I38	CAEDF0000064082	1/2 - 1 Mile NW
I39	CAEDF0000080652	1/2 - 1 Mile NW
J40	CAEDF0000141160	1/2 - 1 Mile WSW
K41	CAEDF0000040467	1/2 - 1 Mile NNW
J42	CAEDF0000000231	1/2 - 1 Mile WSW
K43	CAEDF0000032809	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

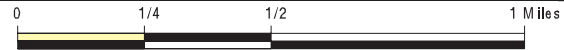
MAP ID	WELL ID	LOCATION FROM TP
K44	CAEDF0000050018	1/2 - 1 Mile NNW
J45	CAEDF0000093239	1/2 - 1 Mile WSW
L46	CAEDF0000125331	1/2 - 1 Mile WSW
J47	CAEDF0000032834	1/2 - 1 Mile WSW
K48	CAEDF0000019301	1/2 - 1 Mile NNW
L49	CAEDF0000094654	1/2 - 1 Mile WSW
M50	CAEDF0000093401	1/2 - 1 Mile NW
M51	CAEDF0000137861	1/2 - 1 Mile NW
J52	CAEDF0000095462	1/2 - 1 Mile SW
L53	CAEDF0000078669	1/2 - 1 Mile WSW
54	CAEDF0000134398	1/2 - 1 Mile WNW
L55	CAEDF0000112034	1/2 - 1 Mile WSW
M56	CAEDF0000098785	1/2 - 1 Mile NW
N57	CAEDF0000000655	1/2 - 1 Mile WSW
N58	CAEDF0000068717	1/2 - 1 Mile WSW
N59	CAEDF0000134778	1/2 - 1 Mile WSW
O60	CAEDF0000001899	1/2 - 1 Mile NW
O61	CAEDF0000023670	1/2 - 1 Mile NW
O62	CAEDF0000115874	1/2 - 1 Mile NW
P63	CADDW0000016159	1/2 - 1 Mile SSW
P64	1613	1/2 - 1 Mile SSW
65	CAEDF0000112852	1/2 - 1 Mile WSW
O66	CAEDF0000120831	1/2 - 1 Mile NW
Q67	CADWR9000038149	1/2 - 1 Mile SW
O68	CAEDF0000113256	1/2 - 1 Mile NW
Q70	CAUSGSN00006974	1/2 - 1 Mile SSW
71	CAEDF0000114989	1/2 - 1 Mile WSW
R72	CAEDF0000136884	1/2 - 1 Mile NW
R73	CAEDF0000060439	1/2 - 1 Mile NW
74	CAEDF0000089101	1/2 - 1 Mile WNW
S75	CAEDF0000098650	1/2 - 1 Mile NW
S76	CAEDF0000080180	1/2 - 1 Mile NW
T77	CAEDF0000089781	1/2 - 1 Mile WNW
T78	CAEDF0000054969	1/2 - 1 Mile WNW
T79	CAEDF0000086988	1/2 - 1 Mile WNW
T80	CAEDF0000091848	1/2 - 1 Mile WNW
T81	CAEDF0000045788	1/2 - 1 Mile NW
T82	CAEDF0000094364	1/2 - 1 Mile NW
T83	CAEDF0000131974	1/2 - 1 Mile NW
84	CADWR9000038156	1/2 - 1 Mile WSW
U85	CAEDF0000064185	1/2 - 1 Mile WNW
U86	CAEDF0000100582	1/2 - 1 Mile WNW
U87	CAEDF0000076085	1/2 - 1 Mile WNW
88	CAEDF0000042675	1/2 - 1 Mile SE
V89	CAEDF0000128430	1/2 - 1 Mile WNW
V90	CAEDF0000060212	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 7394520.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Hcycle Pittsburg
 ADDRESS: Not Reported
 Antioch CA 94509
 LAT/LONG: 38.021424 / 121.844285

CLIENT: TRC
 CONTACT: Gary Lieberman
 INQUIRY #: 7394520.2s
 DATE: July 19, 2023 4:21 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
SE
0 - 1/8 Mile
Higher

CA WELLS CAEDF000001011

Well ID: SL20210828-901B1 Well Type: MONITORING
 Source: EDF Other Name: 901B1
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=901B1&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=901B1

A2
SE
0 - 1/8 Mile
Higher

CA WELLS CAEDF0000052197

Well ID: SL20210828-901A Well Type: MONITORING
 Source: EDF Other Name: 901A
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=901A&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=901A

3
NE
0 - 1/8 Mile
Lower

CA WELLS CAEDF0000070990

Well ID: SL20210828-904B1 Well Type: MONITORING
 Source: EDF Other Name: 904B1
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=904B1&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=904B1

B4
WNW
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000089492

Well ID: SL20210828-118A Well Type: MONITORING
 Source: EDF Other Name: 118A
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=118A&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=118A

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B5
West
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000067643

Well ID: SL20210828-114B1 Well Type: MONITORING
 Source: EDF Other Name: 114B1
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=114B1&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=114B1

B6
West
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000040441

Well ID: SL20210828-114A Well Type: MONITORING
 Source: EDF Other Name: 114A
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=114A&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=114A

7
ENE
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000038695

Well ID: SL20210828-903B1 Well Type: MONITORING
 Source: EDF Other Name: 903B1
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=903B1&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=903B1

B8
NW
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000115533

Well ID: SL20210828-503B Well Type: MONITORING
 Source: EDF Other Name: 503B
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=503B&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=503B

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B9
NW
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000036809

Well ID:	SL20210828-503C	Well Type:	MONITORING
Source:	EDF	Other Name:	503C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=503C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=503C		

B10
NW
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000139175

Well ID:	SL20210828-503A	Well Type:	MONITORING
Source:	EDF	Other Name:	503A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=503A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=503A		

B11
WNW
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000001106

Well ID:	SL20210828-510A	Well Type:	MONITORING
Source:	EDF	Other Name:	510A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=510A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=510A		

B12
NW
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000055415

Well ID:	SL20210828-509A	Well Type:	MONITORING
Source:	EDF	Other Name:	509A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=509A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=509A		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

13
NNW
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000102382

Well ID:	SL20210828-611C	Well Type:	MONITORING
Source:	EDF	Other Name:	611C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=611C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=611C		

C14
WNW
1/8 - 1/4 Mile
Higher

CA WELLS CAEDF0000136080

Well ID:	SL20210828-115C	Well Type:	MONITORING
Source:	EDF	Other Name:	115C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=115C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=115C		

C15
West
1/8 - 1/4 Mile
Higher

CA WELLS CAEDF0000086417

Well ID:	SL20210828-115B1	Well Type:	MONITORING
Source:	EDF	Other Name:	115B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=115B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=115B1		

C16
West
1/8 - 1/4 Mile
Higher

CA WELLS CAEDF0000125829

Well ID:	SL20210828-115A	Well Type:	MONITORING
Source:	EDF	Other Name:	115A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=115A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=115A		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

17
WNW
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000090280

Well ID:	SL20210828-501A	Well Type:	MONITORING
Source:	EDF	Other Name:	501A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=501A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=501A		

D18
North
1/8 - 1/4 Mile
Lower

CA WELLS CAEDF0000032129

Well ID:	SL20210828-603B1	Well Type:	MONITORING
Source:	EDF	Other Name:	603B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=603B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=603B1		

D19
North
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000034355

Well ID:	SL20210828-603A	Well Type:	MONITORING
Source:	EDF	Other Name:	603A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=603A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=603A		

E20
NW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000055956

Well ID:	SL20210828-507C	Well Type:	MONITORING
Source:	EDF	Other Name:	507C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=507C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=507C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E21
NW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000061450

Well ID: SL20210828-507B1 Well Type: MONITORING
 Source: EDF Other Name: 507B1
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=507B1&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=507B1

C22
West
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000023573

Well ID: SL20210828-116B1 Well Type: MONITORING
 Source: EDF Other Name: 116B1
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=116B1&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=116B1

C23
West
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000110053

Well ID: SL20210828-116A Well Type: MONITORING
 Source: EDF Other Name: 116A
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=116A&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=116A

24
WNW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000057917

Well ID: SL20210828-117A Well Type: MONITORING
 Source: EDF Other Name: 117A
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=117A&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=117A

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F25
NNW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000057364

Well ID:	SL20210828-601B1	Well Type:	MONITORING
Source:	EDF	Other Name:	601B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=601B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=601B1		

F26
NNW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000109024

Well ID:	SL20210828-601A	Well Type:	MONITORING
Source:	EDF	Other Name:	601A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=601A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=601A		

F27
NNW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000067575

Well ID:	SL20210828-601C	Well Type:	MONITORING
Source:	EDF	Other Name:	601C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=601C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=601C		

G28
NW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000082728

Well ID:	SL20210828-406C	Well Type:	MONITORING
Source:	EDF	Other Name:	406C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=406C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=406C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

H29
NW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000071126

Well ID:	SL20210828-425C	Well Type:	MONITORING
Source:	EDF	Other Name:	425C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=425C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=425C		

G30
NW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000062005

Well ID:	SL20210828-406A	Well Type:	MONITORING
Source:	EDF	Other Name:	406A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=406A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=406A		

G31
NW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000080557

Well ID:	SL20210828-406B1	Well Type:	MONITORING
Source:	EDF	Other Name:	406B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=406B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=406B1		

H32
NW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000036252

Well ID:	SL20210828-425B	Well Type:	MONITORING
Source:	EDF	Other Name:	425B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=425B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=425B		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

H33
NW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000124245

Well ID:	SL20210828-424B	Well Type:	MONITORING
Source:	EDF	Other Name:	424B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=424B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=424B		

H34
NW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000079457

Well ID:	SL20210828-424C	Well Type:	MONITORING
Source:	EDF	Other Name:	424C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=424C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=424C		

35
NNW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000136351

Well ID:	SL20210828-TP-413B1	Well Type:	MONITORING
Source:	EDF	Other Name:	TP-413B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=TP-413B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=TP-413B1		

G36
NW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000140660

Well ID:	SL20210828-423B	Well Type:	MONITORING
Source:	EDF	Other Name:	423B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=423B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=423B		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I37
NW
1/4 - 1/2 Mile
Higher

CA WELLS CAEDF0000087590

Well ID:	SL20210828-423C	Well Type:	MONITORING
Source:	EDF	Other Name:	423C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=423C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=423C		

I38
NW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000064082

Well ID:	SL20210828-422B	Well Type:	MONITORING
Source:	EDF	Other Name:	422B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=422B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=422B		

I39
NW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000080652

Well ID:	SL20210828-422C	Well Type:	MONITORING
Source:	EDF	Other Name:	422C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=422C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=422C		

J40
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000141160

Well ID:	SL1823A658-P-11	Well Type:	MONITORING
Source:	EDF	Other Name:	P-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-11		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

K41
NNW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000040467

Well ID:	SL20210828-407A	Well Type:	MONITORING
Source:	EDF	Other Name:	407A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=407A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=407A		

J42
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000000231

Well ID:	SL1823A658-P-18	Well Type:	MONITORING
Source:	EDF	Other Name:	P-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-18		

K43
NNW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000032809

Well ID:	SL20210828-407B1	Well Type:	MONITORING
Source:	EDF	Other Name:	407B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=407B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=407B1		

K44
NNW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000050018

Well ID:	SL20210828-407C	Well Type:	MONITORING
Source:	EDF	Other Name:	407C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=407C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=407C		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

J45
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000093239

Well ID:	SL1823A658-P-12	Well Type:	MONITORING
Source:	EDF	Other Name:	P-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-12		

L46
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000125331

Well ID:	SL1823A658-P-20	Well Type:	MONITORING
Source:	EDF	Other Name:	P-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-20		

J47
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000032834

Well ID:	SL1823A658-P-19	Well Type:	MONITORING
Source:	EDF	Other Name:	P-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-19		

K48
NNW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000019301

Well ID:	SL20210828-304A	Well Type:	MONITORING
Source:	EDF	Other Name:	304A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=304A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=304A		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

L49
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000094654

Well ID:	SL1823A658-P-9	Well Type:	MONITORING
Source:	EDF	Other Name:	P-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-9		

M50
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000093401

Well ID:	SL20210828-308C	Well Type:	MONITORING
Source:	EDF	Other Name:	308C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=308C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=308C		

M51
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000137861

Well ID:	SL20210828-308B	Well Type:	MONITORING
Source:	EDF	Other Name:	308B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=308B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=308B		

J52
SW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000095462

Well ID:	SL1823A658-P-3	Well Type:	MONITORING
Source:	EDF	Other Name:	P-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

L53
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000078669

Well ID:	SL1823A658-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=MW-2		

54
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000134398

Well ID:	SL20210828-408B1	Well Type:	MONITORING
Source:	EDF	Other Name:	408B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=408B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=408B1		

L55
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000112034

Well ID:	SL1823A658-P-4	Well Type:	MONITORING
Source:	EDF	Other Name:	P-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-4		

M56
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000098785

Well ID:	SL20210828-305A	Well Type:	MONITORING
Source:	EDF	Other Name:	305A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=305A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=305A		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

N57
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF000000655

Well ID:	SL1823A658-P-8	Well Type:	MONITORING
Source:	EDF	Other Name:	P-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-8		

N58
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000068717

Well ID:	SL1823A658-P-10	Well Type:	MONITORING
Source:	EDF	Other Name:	P-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-10		

N59
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000134778

Well ID:	SL1823A658-P-13	Well Type:	MONITORING
Source:	EDF	Other Name:	P-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-13		

O60
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000001899

Well ID:	SL20210828-306B1	Well Type:	MONITORING
Source:	EDF	Other Name:	306B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=306B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=306B1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

O61
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000023670

Well ID:	SL20210828-306A	Well Type:	MONITORING
Source:	EDF	Other Name:	306A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=306A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=306A		

O62
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000115874

Well ID:	SL20210828-306C	Well Type:	MONITORING
Source:	EDF	Other Name:	306C
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=306C&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=306C		

P63
SSW
1/2 - 1 Mile
Higher

CA WELLS CADDW0000016159

Well ID:	0707594-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL HEAD	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=0707594-001&store_num=		
GeoTracker Data:	Not Reported		

P64
SSW
1/2 - 1 Mile
Higher

CA WELLS 1613

Seq:	1613	Prim sta c:	02N/01E-22B01 M
Frds no:	0707594001	County:	07
District:	37	User id:	07C
System no:	0707594	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	380042.0	Longitude:	1215053.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System no:	0707594	System nam:	Casa Medanos Water System
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		
Sample date:	25-JUL-17	Finding:	4.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	20-JUL-16	Finding:	6.21
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	20-JUL-16	Finding:	1.54
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	2.29
Chemical:	RADIUM 228	Report units:	PCI/L
Dir:	1.		
Sample date:	20-JUL-16	Finding:	0.3
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	0.67
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	0.42
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	7.9
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dir:	1.		
Sample date:	20-JUL-16	Finding:	1100.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	20-JUL-16	Finding:	7.85
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	20-JUL-16	Finding:	230.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	280.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	4.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	20-JUL-16	Finding:	320.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	20-JUL-16	Finding:	320.
Chemical:	HARDNESS (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	55.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	44.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	130.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	4.6
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	66.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	250.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	20-JUL-16	Finding:	0.13
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	20-JUL-16	Finding:	5.1
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	20-JUL-16	Finding:	28.
Chemical:	MANGANESE	Report units:	UG/L
Dir:	20.		
Sample date:	20-JUL-16	Finding:	37.
Chemical:	NICKEL	Report units:	UG/L
Dir:	10.		
Sample date:	20-JUL-16	Finding:	9.7
Chemical:	SELENIUM	Report units:	UG/L
Dir:	5.		
Sample date:	20-JUL-16	Finding:	780.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	20-JUL-16	Finding:	9.e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	23-OCT-14	Finding:	21.
Chemical:	NITRATE (AS NO ₃)	Report units:	MG/L
Dir:	2.		
Sample date:	10-OCT-13	Finding:	21.
Chemical:	NITRATE (AS NO ₃)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.		
Sample date:	24-OCT-12	Finding:	290.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	24-OCT-12	Finding:	290.
Chemical:	HARDNESS (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		
Sample date:	24-OCT-12	Finding:	51.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	24-OCT-12	Finding:	40.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	24-OCT-12	Finding:	130.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	24-OCT-12	Finding:	4.8
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	24-OCT-12	Finding:	85.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	24-OCT-12	Finding:	210.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	24-OCT-12	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	24-OCT-12	Finding:	5.3
Chemical:	ARSENIC	Report units:	UG/L
Dir:	2.		
Sample date:	24-OCT-12	Finding:	38.
Chemical:	MANGANESE	Report units:	UG/L
Dir:	20.		
Sample date:	24-OCT-12	Finding:	13.
Chemical:	NICKEL	Report units:	UG/L
Dir:	10.		
Sample date:	24-OCT-12	Finding:	7.4
Chemical:	SELENIUM	Report units:	UG/L
Dir:	5.		
Sample date:	24-OCT-12	Finding:	720.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	24-OCT-12	Finding:	22.
Chemical:	NITRATE (AS NO ₃)	Report units:	MG/L
Dir:	2.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	24-OCT-12	Finding:	0.76
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	24-OCT-12	Finding:	14.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dir:	10.		
Sample date:	24-OCT-12	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	24-OCT-12	Finding:	240.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	24-OCT-12	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	24-OCT-12	Finding:	1100.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		

65
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000112852

Well ID:	SL1823A658-P-15	Well Type:	MONITORING
Source:	EDF	Other Name:	P-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-15		

O66
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000120831

Well ID:	SL20210828-805A-R	Well Type:	MONITORING
Source:	EDF	Other Name:	805A-R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=805A-R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=805A-R		

Q67
SW
1/2 - 1 Mile
Higher

CA WELLS CADWR9000038149

State Well #:	02N01E15P001M	Station ID:	2558
Well Name:	Not Reported	Basin Name:	Pittsburg Plain

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Use:	Unknown	Well Type:	Unknown
Well Depth:	160	Well Completion Rpt #:	Not Reported

**O68
NW
1/2 - 1 Mile
Lower**

CA WELLS CAEDF0000113256

Well ID:	SL20210828-805A	Well Type:	MONITORING
Source:	EDF	Other Name:	805A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=805A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=805A		

**Q69
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS40000186535

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002N001E22C001M	Type:	Well
Description:	Not Reported	HUC:	18050001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19310731	Well Depth:	160
Well Depth Units:	ft	Well Hole Depth:	160
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	29	Level reading date:	1973-10-03
Feet below surface:	19.72	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1973-05-22	Feet below surface:	18.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03-20	Feet below surface:	18.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-22	Feet below surface:	18.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01-23	Feet below surface:	19.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12-19	Feet below surface:	20.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-14	Feet below surface:	20.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09-19	Feet below surface:	21.92
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1972-08-22	Feet below surface:	21.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07-18	Feet below surface:	21.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06-21	Feet below surface:	21.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03-22	Feet below surface:	20.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02-22	Feet below surface:	20.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01-19	Feet below surface:	20.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12-21	Feet below surface:	21.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11-23	Feet below surface:	21.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10-28	Feet below surface:	21.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09-22	Feet below surface:	21.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08-24	Feet below surface:	21.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07-21	Feet below surface:	20.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06-23	Feet below surface:	20.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05-20	Feet below surface:	20.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04-22	Feet below surface:	19.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-25	Feet below surface:	19.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-04	Feet below surface:	19.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-01-27	Feet below surface:	19.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-12-22	Feet below surface:	20.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-11-24	Feet below surface:	20.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-10-29	Feet below surface:	21.09
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

Q70
SSW
1/2 - 1 Mile
Higher

CA WELLS CAUSGSN00006974

Well ID: USGS-380044121510301 Well Type: UNK
 Source: United States Geological Survey
 Other Name: USGS-380044121510301 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-380044121510301&store_num=
 GeoTracker Data: Not Reported

71
WSW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000114989

Well ID: SL1823A658-P-16 Well Type: MONITORING
 Source: EDF Other Name: P-16
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL1823A658&assigned_name=P-16&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL1823A658&assigned_name=P-16

R72
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000136884

Well ID: SL20210828-811A Well Type: MONITORING
 Source: EDF Other Name: 811A
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=811A&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=811A

R73
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000060439

Well ID: SL20210828-803A Well Type: MONITORING
 Source: EDF Other Name: 803A
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=803A&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=803A

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

74
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000089101

Well ID:	L10005305018-I-1-06	Well Type:	MONITORING
Source:	EDF	Other Name:	I-1-06
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10005305018&assigned_name=I-1-06&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10005305018&assigned_name=I-1-06		

S75
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000098650

Well ID:	SL20210828-810A	Well Type:	MONITORING
Source:	EDF	Other Name:	810A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=810A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=810A		

S76
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000080180

Well ID:	SL20210828-204A	Well Type:	MONITORING
Source:	EDF	Other Name:	204A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=204A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=204A		

T77
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000089781

Well ID:	SL20210828-201B1	Well Type:	MONITORING
Source:	EDF	Other Name:	201B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=201B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=201B1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

T78
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000054969

Well ID: SL20210828-PZ-005B Well Type: MONITORING
 Source: EDF Other Name: PZ-005B
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=PZ-005B&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=PZ-005B

T79
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000086988

Well ID: SL20210828-PZ-005C Well Type: MONITORING
 Source: EDF Other Name: PZ-005C
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=PZ-005C&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=PZ-005C

T80
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000091848

Well ID: SL20210828-201C Well Type: MONITORING
 Source: EDF Other Name: 201C
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=201C&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=201C

T81
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000045788

Well ID: SL20210828-202C Well Type: MONITORING
 Source: EDF Other Name: 202C
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=202C&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=202C

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

T82
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000094364

Well ID:	SL20210828-202B1	Well Type:	MONITORING
Source:	EDF	Other Name:	202B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=202B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=202B1		

T83
NW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000131974

Well ID:	SL20210828-202A	Well Type:	MONITORING
Source:	EDF	Other Name:	202A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=202A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=202A		

84
WSW
1/2 - 1 Mile
Higher

CA WELLS CADWR9000038156

State Well #:	02N01E15N001M	Station ID:	2557
Well Name:	Not Reported	Basin Name:	Pittsburg Plain
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	118	Well Completion Rpt #:	Not Reported

U85
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000064185

Well ID:	SL20210828-206A	Well Type:	MONITORING
Source:	EDF	Other Name:	206A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=206A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=206A		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

U86
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000100582

Well ID: SL20210828-206B Well Type: MONITORING
 Source: EDF Other Name: 206B
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=206B&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=206B

U87
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000076085

Well ID: SL20210828-206C Well Type: MONITORING
 Source: EDF Other Name: 206C
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL20210828&assigned_name=206C&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL20210828&assigned_name=206C

88
SE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000042675

Well ID: T0601391420-MW-5 Well Type: MONITORING
 Source: EDF Other Name: MW-5
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0601391420&assigned_name=MW-5&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0601391420&assigned_name=MW-5

V89
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000128430

Well ID: L10005305018-I-1-04 Well Type: MONITORING
 Source: EDF Other Name: I-1-04
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10005305018&assigned_name=I-1-04&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10005305018&assigned_name=I-1-04

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

V90
WNW
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000060212

Well ID: Source: GAMA PFAS Testing: Groundwater Quality Data: GeoTracker Data:	L10005305018-I-2-03 EDF Not Reported https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10005305018&assigned_name=I-2-03&store_num= https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10005305018&assigned_name=I-2-03	Well Type: Other Name:	MONITORING I-2-03
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94509	9	0

Federal EPA Radon Zone for CONTRA COSTA County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94509

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is California's comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Health Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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**Appendix B:
User Questionnaire**

DRAFT

Appendix B: User Questionnaire

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE**

Pursuant to the American Society for Testing and Materials E 1527-21 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-21), in order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the “Brownfields Amendments”), the User must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The User should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that “all appropriate inquiries” is not complete.

The “User” is defined in the ASTM E 1527-21 standard as *the party seeking to use Practice E 1527 to complete an environmental site assessment of the Site. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.*

Thank you for taking the time to complete this questionnaire. If you have any questions, please contact Doug Kilmer at 616.258.0058 or dkilmer@trccompanies.com

Date: August 2, 2023

User Name: Megan Good
Company: HC (Contra Costa), LLC
Address: 1320 Willow Pass Road, Suite 600
Concord, CA 94520
Telephone No.: 760-583-9211
E-mail Address: megan.good@hcycle.com
Signature: _____

Site Name: Corteva Agriscience
Address: 901 Loveridge Road
Pittsburg, CA 94565

Purpose of ASTM Phase I (potential purchase, potential sale, re-finance, update the environmental condition of the Site, Lease termination or initiation, etc.)

Completion of environmental impact report and analyses for the identified 24-acre Study Area.

(1) Environmental cleanup liens that are filed or recorded against the Site (40 CFR 312.25)

Did a search of recorded land title records (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the Site under federal, tribal, state or local law?

Yes

No

NOTE 1 – In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

(2) Activity and land use limitations (AULs) that are in place on the Site or that have been filed or recorded against the Site (40 CFR 312.26(a)(1)(v) and (vi))

Did a search of recorded land title records (or judicial records where appropriate, see Note 1 above) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the Site and/or have been filed or recorded against the Site under federal, tribal, state or local law?

Yes

No

(3) Specialized knowledge or experience of the person seeking to qualify for the *Landowner Liability Protection (LLP)* (40 CFR 312.28)

Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes

No

(4) Relationship of the purchase price to the fair market value of the Site property (40 CFR 312.29)

Does the purchase price being paid for the Site property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

Yes

No

(5) Commonly known or reasonably ascertainable information regarding the Site property (40 CFR 312.30)

Are you aware of commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,

- (a) Can you provide any information regarding the past uses of the Site?
- (b) Can you provide any information regarding specific chemicals that are present or once were present at the Site?
- (c) Can you provide any information regarding spills or other chemical releases that have occurred at the Site?
- (d) Can you provide any information regarding any environmental cleanups that have occurred at the Site?

Yes

No

See attached documents/links.

(6) The degree of obviousness of the presence or likely presence of contamination at the Site, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)

Based on your knowledge and experience related to the Site are there any obvious indicators that point to the presence or likely presence of releases at the Site?

Yes

No

(7) Proceedings Involving the Site

Are you aware of: (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Site; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Site; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products at the Site?

Yes

No

(8) Questions Regarding Helpful Documents

Are you aware of the presence of any of the documents listed below and, if so, whether copies can and will be provided to TRC within reasonable time and cost constraints?

	Yes	No
- Environment site assessment reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Environment compliance audit reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Environmental permits (e.g., solid waste disposal permits; hazardous waste disposal permits; wastewater permits; National Pollutant Discharge Elimination System [NPDES] permits; or underground injection permits)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Registrations for underground and aboveground storage tanks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Registrations for underground injection systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Material Safety Data Sheets (MSDSs)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Community Right-To-Know plan(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; etc.,	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Reports regarding hydrogeologic conditions at the Site and surrounding area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Notices or other correspondence from any government agency regarding current or previous violations of environmental laws with respect to the Site or relating to environmental liens encumbering the Site property	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Hazardous waste generator notices or reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Geotechnical studies	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Risk assessments	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Recorded AULs	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Appendix C:
Historical Research Documentation**

DRAFT

Appendix C: Historical Research Documentation



Hcycle Pittsburg

Not Reported

Antioch, CA 94509

Inquiry Number: 7394520.11

July 19, 2023

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/19/23

Site Name:

Hcycle Pittsburg
Not Reported
Antioch, CA 94509
EDR Inquiry # 7394520.11

Client Name:

TRC
505 Sansome Street Suite 1600
San Francisco, CA 94111
Contact: Gary Lieberman



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1998	1"=500'	Flight Date: August 22, 1998	USDA
1984	1"=500'	Flight Date: June 08, 1984	USDA
1979	1"=500'	Flight Date: August 16, 1979	USDA
1972	1"=500'	Flight Date: July 06, 1972	USDA
1966	1"=500'	Flight Date: June 26, 1966	USDA
1963	1"=500'	Flight Date: July 15, 1963	EDR Proprietary Aerial Viewpoint
1957	1"=500'	Flight Date: August 02, 1957	USDA
1952	1"=500'	Flight Date: August 02, 1952	USDA
1939	1"=500'	Flight Date: August 02, 1939	USDA
1937	1"=500'	Flight Date: August 25, 1937	USDA

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INQUIRY #: 7394520.11

YEAR: 2020

— = 500'





INQUIRY #: 7394520.11

YEAR: 2016

— = 500'





INQUIRY #: 7394520.11

YEAR: 2012

— = 500'





INQUIRY #: 7394520.11

YEAR: 2009

— = 500'





INQUIRY #: 7394520.11

YEAR: 2006

— = 500'





INQUIRY #: 7394520.11

YEAR: 1998

— = 500'





INQUIRY #: 7394520.11

YEAR: 1984

— = 500'





INQUIRY #: 7394520.11

YEAR: 1979

_____ = 500'





INQUIRY #: 7394520.11

YEAR: 1972

— = 500'





INQUIRY #: 7394520.11

YEAR: 1966

_____ = 500'





INQUIRY #: 7394520.11

YEAR: 1963

— = 500'





INQUIRY #: 7394520.11

YEAR: 1957

— = 500'





INQUIRY #: 7394520.11

YEAR: 1952

— = 500'



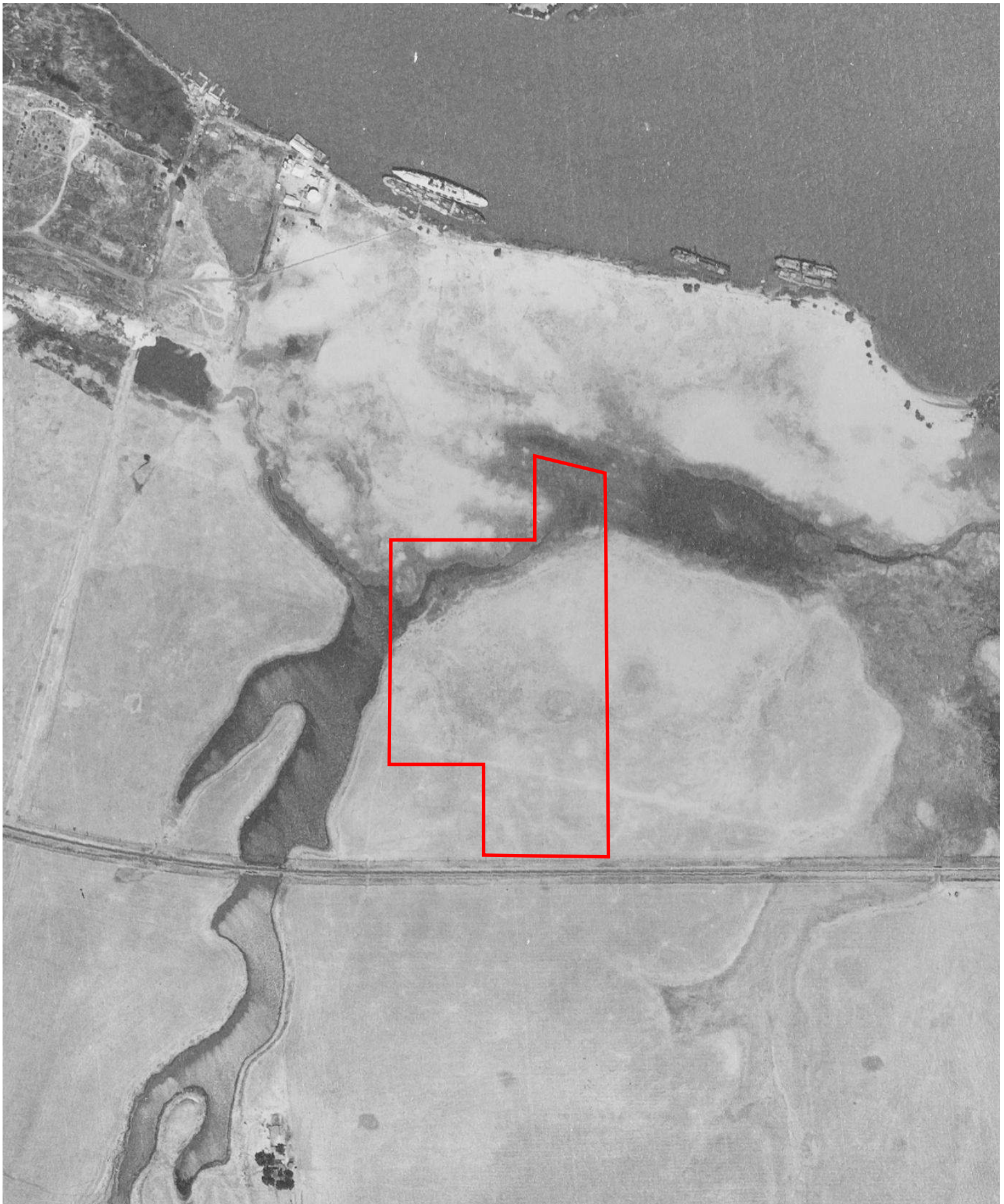


INQUIRY #: 7394520.11

YEAR: 1939

— = 500'





INQUIRY #: 7394520.11

YEAR: 1937

— = 500'



Hcycle Pittsburg

Not Reported
Antioch, CA 94509

Inquiry Number: 7394520.8
July 19, 2023

EDR Building Permit Report

Target Property and Adjoining Properties

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquiries (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of TRC on Jul 19, 2023.

TARGET PROPERTY

Not Reported
Antioch, CA 94509

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **NO PERMITS IDENTIFIED**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Antioch
Years: 1982-2022
Source: City of Antioch, Building Division, Antioch, CA
Phone: (925) 779-7065

Name: Contra Costa County
Years: 1938-2023
Source: Contra Costa County, Public Works Services, CONCORD, CA
Phone: (925) 335-1360

Name: Redding
Years: 1926-2023
Source: City of Redding, Development Services, Building Division, REDDING, CA
Phone: 530-225-4014

Name: Richmond
Years: 1991-2023
Source: City of Richmond, Building Regulations, SAN PABLO, CA
Phone: (510) 620-6868

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

Not Reported
Antioch, CA 94509

No Permits Found

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Permits Found

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeyman:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other common reasons for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- **Permit Number:** The alphanumeric designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- **Description:** A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- **Permit Type:** Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000

Permit Type: Bldg -

New Permit Number: 101000000405

Status: Valuation: \$1,000,000.00

Contractor Company: OWNER-BUILDER

Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

Hcycle Pittsburg

Not Reported
Antioch, CA 94509

Inquiry Number: 7394520.5
July 24, 2023

The EDR-City Directory Image Report

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2020	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2017	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
2014	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
2010	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
2005	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
2000	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
1995	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
1992	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
1990	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1985	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1980	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

Not Reported
Antioch, CA 94509

No Addresses Found

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>ARCY LN</u>			
2020	pg. A1	EDR Digital Archive	
2017	-	Cole Information	Target and Adjoining not listed in Source
2014	-	Cole Information	Target and Adjoining not listed in Source
2010	-	Cole Information	Target and Adjoining not listed in Source
2005	-	Cole Information	Target and Adjoining not listed in Source
2000	-	Cole Information	Target and Adjoining not listed in Source
1995	-	Cole Information	Target and Adjoining not listed in Source
1992	-	Cole Information	Target and Adjoining not listed in Source
1990	-	Haines Criss-Cross Directory	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source

PITTSBURG WATERFRONT RD

2020	-	EDR Digital Archive	Target and Adjoining not listed in Source
2017	-	Cole Information	Target and Adjoining not listed in Source
2014	-	Cole Information	Target and Adjoining not listed in Source
2010	-	Cole Information	Target and Adjoining not listed in Source
2005	-	Cole Information	Target and Adjoining not listed in Source
2000	-	Cole Information	Target and Adjoining not listed in Source
1995	-	Cole Information	Target and Adjoining not listed in Source
1992	-	Cole Information	Target and Adjoining not listed in Source
1990	-	Haines Criss-Cross Directory	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

ARCY LN 2020

992 GENERON IGS INC
1200 DELTA ENERGY CTR LLC

HCYCLE PITTSBURG
NOT REPORTED
ANTIOCH, CA 94565

Inquiry Number: 7394520.7S
JULY 31, 2023

EDR Environmental Lien and AUL Search



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

HCYCLE PITTSBURG
NOT REPORTED
ANTIOCH, CA 94565

RESEARCH SOURCE

JUDICIAL RECORDS **NOT** SEARCHED. BASED ON AVAILABLE INFORMATION EVALUATED BY THE TITLE SEARCH PROFESSIONAL, THE JURISDICTION **DOES NOT** REQUIRE A SEARCH OF JUDICIAL RECORDS IN ORDER TO IDENTIFY ENVIRONMENTAL LIENS.

Source 1: CONTRA COSTA COUNTY RECORDER'S OFFICE
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Legal Description: AS RECORDED IN THE DEED ATTACHED.
Current Owner: THE DOW CHEMICAL COMPANY
Property Identifiers: 073-220-049
Comments: NA

Deed 1

Type of Deed: GRANT DEED
Title is vested in: THE DOW CHEMICAL COMPANY
Title received from: UNITED STATES STEEL CORPORATION
Date Executed: 07/01/1977
Date Recorded: 07/15/1977
Book: 8419
Page: 618
Volume: NA
Instrument#: NA
Docket: NA
Land Record Comments: NA
Miscellaneous Comments: NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found Not Found

If Found:

1st Party: CENTEN AG LLC
2nd Party: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Dated: 07/13/2020
Recorded: 09/15/2020
Book: NA
Page: NA
Docket: NA
Volume: NA
Instrument #: 2020-0204398
Instrument Type: LAND USE COVENANT AND AGREEMENT
Comments: NA
Miscellaneous: NA

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

DEED EXHIBIT

After Recording Mail To:
The Dow Chemical Co.
2855 Mitchell Dr.
Wainut Creek, CA 94598

JUL 15 1977

96834 6

JUL 15 1977

D E E D

BOOK 8419 PAGE 618

TRANSFER TAX PAID ON GRANT DEED
SERIES NO. 96834

UNITED STATES STEEL CORPORATION, a Delaware corporation,
Grantor, hereby grants unto THE DOW CHEMICAL COMPANY, a Delaware
corporation, Grantee, all that certain real property in the
County of Contra Costa, State of California, described as fol-
lows:

PARCEL D:

A portion of the Rancho Los Medanos, described as follows:

Beginning on the east line of that parcel of land described as
Parcel 1 in the deed from the Anglo California National Bank of
San Francisco to the Dow Chemical Company recorded May 23, 1950
in Book 1562 of official records of Contra Costa County, page
586, at a point which bears North 0° 59' 14" east 407.92 feet
from the southeast corner of said Dow parcel (1562 or 586);
thence from said point of beginning, along said east line, north
0° 59' 14" east 605.55 feet; thence leaving said east line,
south 89° 00' 46" east 200.00 feet; thence north 21° 25' 34"
east 1344.05 feet to the northern boundary line of the Rancho
Los Medanos; thence along said northern line, south 78° 17' 46"
east 233.23 feet; south 53° 27' 46" east 158.76 feet; south 4°
51' 46" east 173.68 feet, and south 39° 12' 46" east 166.20
feet; thence leaving said northern boundary of the Rancho Los
Medanos, south 39° 51' 58" west 1836.41 feet to the point of be-
ginning.

The foregoing conveyance is made subject to the follow-
ing:

1. The lien of taxes for the fiscal year 1977-78;
2. Any and all rights, rights of way, easements and en-
cumbances existing on the property, whether or not of record.

IN WITNESS WHEREOF, Grantor has caused this instrument to
be executed in its behalf by its officers thereunto first duly au-
thorized, and its corporate seal to be hereto affixed as of the
1st day of July, 1977.

UNITED STATES STEEL CORPORATION

By J. H. Conback
Vice-President

SEAL AFFIXED

(SEAL)

DOCUMENTARY TRANSFER TAX \$ 0
 COMPUTED ON FULL VALUE OF PROPERTY CONVEYED, OR
 COMPUTED ON FULL VALUE LESS LIENS & ENCUM-
BRANCES REMAINING THEREON AT TIME OF SALE.
Eulalia Spina - Title Ins. Trust
Signature of declarant or agent determining tax - Firm name

Attest:

D. T. C. Sen.
Assistant Secretary

Record at request of
Title Insurance And Trust Company.
AT 8 O'Clock A JUL 15 1977
Contra Costa County Records
J. R. Olsson
County Recorder

Fee \$ 41.00

STATE OF PENNSYLVANIA)
) ss.
COUNTY OF ALLEGHENY)

On July 7, 19 77, personally appeared before me, a notary public, Joseph R. Dembeck, known to me to be the Vice-President-Realty of the corporation that executed the foregoing instrument, and upon oath did depose that he is the officer or agent of said corporation as above designated; and that the said corporation executed the said instrument freely and voluntarily and for the uses and purposes therein mentioned.

Flora J. Chabre
Notary Public in and for the
County of Allegheny

SEAL AFFIXED

My commission expires:

FLORA J. CHABRE, Notary Public
PITTSBURGH, ALLEGHENY COUNTY

My Commission Expires September 16, 1978

END OF DOCUMENT

EDR Environmental Lien and AUL Search

ACTIVITY AND USE LIMITATIONS (AUL) EXHIBIT

RECORDING REQUESTED BY:

Centen Ag LLC
901 Loveridge Road
Pittsburg, California 94565

WHEN RECORDED, MAIL TO

Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, California 95826-3200
Attention: Unit Chief
Permitting Division



CONTRA COSTA Co Recorder Office
DEBORAH COOPER, Clerk-Recorder

DOC - 2020-0204398

Tuesday, Sep 15, 2020 11:47:00



Total Paid: \$56.00

Receipt#: 202003879694

0000 - Public

207 / ARPC / 1-15

SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE

LAND USE COVENANT AND AGREEMENT

ENVIRONMENTAL RESTRICTIONS

County of Contra Costa, Assessor Parcel Number: 073-220-049
Corteva Pittsburg Monofill
DTSC Site Code: 200164

This Land Use Covenant and Agreement ("Covenant") is made by and between Centen Ag LLC (the "Covenantor"), the current owner of property located at 901 Loveridge Road, City of Pittsburg, in the County of Contra Costa, State of California (the "Property"), and the Department of Toxic Substances Control (the "Department"). Pursuant to Civil Code section 1471, the Department has determined that this Covenant is reasonably necessary to protect present or future human health or safety or the environment as a result of the presence on a portion of the land on the Property of hazardous materials as defined in Health and Safety Code section 25260 ("Affected Portion"). The Covenantor and the Department hereby agree that, pursuant to Civil Code section 1471 and Health and Safety Code section 25202.5, the use of the Property be restricted as set forth in this Covenant and that the Covenant shall conform with the requirements of California Code of Regulations, title 22, section 67391.1.

ARTICLE I

STATEMENT OF FACTS

1.1. Property Location. The Property that is subject to this Covenant, totaling approximately 246.20 acres, is more particularly described in the attached Exhibit A, "Legal Description", and depicted in Exhibit B, "Assessor's Map". The Property is located in the area now generally bounded by New York Slough on the north, the BNSF Railway line on the south, Loveridge Road and Pittsburg Waterfront on the west, and wetlands on the east. The Property is also identified as County of Contra Costa, Assessor Parcel Number 073-220-049.

The Restrictions and Requirements outlined in Article IV of this Covenant apply only to the Affected Portion of the Property, totaling approximately 8.99 acres, that is more particularly described and depicted in Exhibit C "Record of Survey" and is referred to as the site of the former Solar Evaporation Ponds.

1.2. Remediation of Property. The Affected Portion of the Property has been investigated and/or remediated under the Department's oversight. The Department approved a Closure Plan in accordance with Health and Safety Code, division 20, chapter 6.5. The closure activities conducted at the Property included solidification and consolidation of waste at the location of former Solar Evaporation Ponds A, B, C, and D, and construction of an encapsulation structure. Hazardous substances and hazardous wastes, including solidified Solar Evaporation Pond waste containing heavy metals, halogenated and non-halogenated volatile organic compounds, semi-volatile organic compounds, and exhibiting flammability and corrosivity characteristics, remain within the Affected Portion of the Property above levels acceptable for unrestricted land use.

1.3. Basis for Environmental Restrictions. As a result of the presence of hazardous wastes, which are also hazardous materials as defined in Health and Safety Code section 25260, at the Property, the Department has concluded that it is reasonably necessary to restrict the use of the Affected Portion of the Property in order to protect present or future human health or safety or the environment, and that this Covenant is required as part of the Department-approved remedy for the Property. The Department has also concluded that the Property, as remediated and when used in compliance with the Environmental Restrictions of this Covenant, does not present an

unacceptable risk to present and future human health or safety or the environment.

ARTICLE II

DEFINITIONS

2.1. Department. "Department" means the California Department of Toxic Substances Control and includes its successor agencies, if any.

2.2. Environmental Restrictions. "Environmental Restrictions" means all protective provisions, covenants, restrictions, requirements, prohibitions, and terms and conditions as set forth in this Covenant.

2.3. Improvements. "Improvements" includes, but is not limited to buildings, structures, roads, driveways, improved parking areas, wells, pipelines, or other utilities.

2.4. Lease. "Lease" means lease, rental agreement, or any other document that creates a right to use or occupy any portion of the Property.

2.5. Occupant. "Occupant" or "Occupants" means Owner and any person or entity entitled by ownership, leasehold, or other legal relationship to the right to occupy any portion of the Property.

2.6. Owner. "Owner" or "Owners" means the Covenantor, and any successor in interest including any heir and assignee, who at any time holds title to all or any portion of the Property.

ARTICLE III

GENERAL PROVISIONS

3.1. Runs with the Land. This Covenant sets forth Environmental Restrictions that apply to and encumber the Property and every portion thereof no matter how it is improved, held, used, occupied, leased, sold, hypothecated, encumbered, or conveyed. This Covenant: (a) runs with the land pursuant to Civil Code section 1471 and Health and Safety Code section 25202.5; (b) inures to the benefit of and passes with each and every portion of the Property; (c) is for the benefit of and is enforceable by the Department; (d) is imposed upon the entire Property; and (e) contains Environmental Restrictions applicable only to the Affected Portion thereof.

3.2. Binding upon Owners/Occupants. This Covenant: (a) binds all Owners of the Property, their heirs, successors, and assignees; and (b) the agents, employees, and lessees of the Owners and the Owners' heirs, successors, and assignees. Pursuant

to Civil Code section 1471, all successive Owners of the Property are expressly bound hereby for the benefit of the Department; this Covenant, however, is binding on all Owners and Occupants, and their respective successors and assignees, only during their respective periods of ownership or occupancy except that such Owners or Occupants shall continue to be liable for any violations of, or non-compliance with, the Environmental Restrictions of this Covenant or any acts or omissions during their ownership or occupancy.

3.3. Incorporation into Deeds and Leases. This Covenant shall be incorporated by reference in each and every deed and Lease for any portion of the Property.

3.4. Conveyance of Property. The Owner and new Owner shall provide Notice to the Department not later than 30 calendar days after any conveyance or receipt of any ownership interest in the Property (excluding Leases, and mortgages, liens, and other non-possessory encumbrances). The Notice shall include the name and mailing address of the new Owner of the Property and shall reference the site name and site code as listed on page one of this Covenant. The notice shall also include the Assessor's Parcel Number(s) noted on page one. If the new Owner's property has been assigned a different Assessor Parcel Number, each such Assessor Parcel Number that covers the Property must be provided. The Department shall not, by reason of this Covenant, have authority to approve, disapprove, or otherwise affect proposed conveyance, except as otherwise provided by law or by administrative order.

3.5. Costs of Administering the Covenant to Be Paid by Owner. The Department has already incurred and will in the future incur costs associated with this Covenant. Therefore, the Covenantor hereby covenants for the Covenantor and for all subsequent Owners that, pursuant to California Code of Regulations, title 22, section 67391.1(h), the Owner agrees to pay the Department's costs in administering, implementing and enforcing this Covenant.

ARTICLE IV

RESTRICTIONS AND REQUIREMENTS

4.1. Prohibited Uses. The Property shall not be used for any of the following purposes without prior written approval by the Department:

- (a) A residence, including any mobile home or factory built housing, constructed or installed for use as residential human habitation.
- (b) A hospital for humans.
- (c) A public or private school for persons under 18 years of age.
- (d) A day care center for children.

4.2. Soil Management. Soil management activities at the Affected Portion of the Property are subject to the following requirements in addition to any other applicable Environmental Restrictions:

- (a) No activities that will disturb the soil at or below grade level (e.g., excavation, grading, removal, trenching, filling, earth movement, mining, or drilling) shall be allowed at the Property without a Soil Management Plan pre-approved by the Department in writing.
- (b) Any soil brought to the surface by grading, excavation, trenching or backfilling shall be managed in accordance with all applicable provisions of state and federal law.

4.3. Prohibited Activities. The following activities shall not be conducted at or within the Affected Portion of the Property:

- (a) Drilling for any water, oil, or gas without prior written approval by the Department.
- (b) Extraction or removal of groundwater without a Groundwater Management Plan pre-approved by the Department in writing.
- (c) Activity that may alter, interfere with, or otherwise affect the integrity or effectiveness of, or the access to, any investigative, remedial, monitoring, operation or maintenance system or activity required for the Property without prior written approval of the Department.

The Prohibited Activities described in paragraph 4.3 of this Covenant do not apply to activities that are expressly authorized in a Hazardous Waste Facility Post Closure Permit issued by the Department.

4.4. Access for Department. The Department shall have reasonable right of entry and access to the Property for inspection, investigation, remediation, monitoring, and other activities as deemed necessary by the Department in order to protect human

health or safety or the environment.

4.5. Access for Implementing Operation and Maintenance. The entity or person responsible for implementing the operation and maintenance activities, if any, shall have reasonable right of entry and access to the Affected Portion of the Property for the purpose of implementing such operation and maintenance activities until the Department determines that no further operation and maintenance activity is required.

4.6. Inspection and Reporting Requirements. The Owner shall conduct an annual inspection of the Property verifying compliance with this Covenant and shall submit an annual inspection report to the Department for its approval by January 31st of each year. The annual inspection report must include the dates, times, and names of those who conducted the inspection and reviewed the annual inspection report. It also shall describe how the observations that were the basis for the statements and conclusions in the annual inspection report were performed (e.g., drive by, fly over, walk in, etc.). If any violation is noted, the annual inspection report must detail the steps taken to correct the violation and return to compliance. If the Owner identifies any violations of this Covenant during the annual inspection or at any other time, the Owner must within 10 calendar days of identifying the violation: (a) determine the identity of the party in violation; (b) send a letter advising the party of the violation of the Covenant; and (c) demand that the violation cease immediately. Additionally, a copy of any correspondence related to the violation of this Covenant shall be sent to the Department within 10 calendar days of its original transmission.

ARTICLE V

ENFORCEMENT

5.1. Enforcement. Failure of the Owner or Occupant to comply with this Covenant shall be grounds for the Department to require modification or removal of any Improvements constructed or placed upon any portion of the Property in violation of this Covenant. Violation of this Covenant, such as failure to submit (including submission of any false statement) record or report to the Department, shall be grounds for the Department to pursue administrative, civil, or criminal actions, as provided by law.

ARTICLE VI

VARIANCE, REMOVAL, AND TERM

To Department: Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, California 95826
Attention:
Unit Chief
Permitting Division

Any party may change its address or the individual to whose attention a Notice is to be sent by giving advance written Notice in compliance with this paragraph.

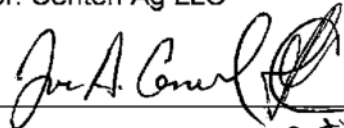
7.4. Partial Invalidity. If this Covenant or any of its terms are determined by a court of competent jurisdiction to be invalid for any reason, the surviving portions of this Covenant shall remain in full force and effect as if such portion found invalid had not been included herein.

7.5. Statutory References. All statutory or regulatory references include successor provisions.

7.6. Incorporation of Exhibits. All exhibits and attachments to this Covenant are incorporated herein by reference.

IN WITNESS WHEREOF, the Covenantor and the Department hereby execute this Covenant.

Covenantor: Centen Ag LLC

By 
Carrascal

Title: Jose A. Carrascal, Pittsburg Site Director

Print Name and Title of Signatory

Date: July 13, 2020

Department of Toxic Substances Control:

By

Wayne P. Walker

Title:

DTSC Permitting Acting Division Chief

Print Name and Title of Signatory

Date:

August 15, 2020

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Contra Costa

On July 13, 2020 before me,

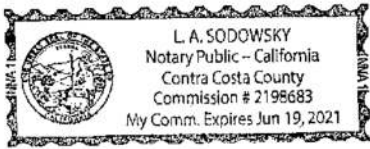
LA Sadowsky, Notary Public
(space above this line is for name and title of the officer/notary),

personally appeared Jose A. Carrascal Cantillo, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal,

LA Sadowsky (seal)
Signature of Notary Public



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Yolo

On 08/15/2020 before me, Elizabeth L Mendez-Nova,
Notary Public

(space above this line is for name and title of the officer/notary),

personally appeared Wayne Richard Lorentzen, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal,

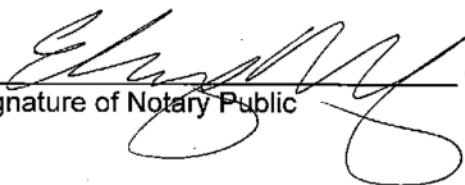
 (seal)
Signature of Notary Public



EXHIBIT "A"
LEGAL DESCRIPTION

ALL THAT REAL PROPERTY SITUATED IN THE CITY OF PITTSBURG, COUNTY OF CONTRA COSTA, STATE OF CALIFORNIA BEING A PORTION OF RECORD OF SURVEY FILED IN BOOK 98 OF L.S.M. AT PAGE 6, BEING A PORTION OF RANCHO LOS MEDANOS, CONTRA COSTA COUNTY, STATE OF CALIFORNIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT WHICH BEARS SOUTH 76°20'03" EAST 107.31 FEET FROM THE NORTHEAST CORNER OF THAT CERTAIN PARCEL OF LAND CONVEYED TO PACIFIC GAS & ELECTRIC CO. 684 OR 374 RECORDED ON SEPTEMBER 25, 1991 AND SHOWN ON RECORD OF SURVEY BOOK 98 OF L.S.M. AT PAGE 48 AS "PACIFIC GAS & ELECTRIC CO. 684 OR 374", THENCE FROM SAID POINT OF BEGINNING SOUTH 72°00'27" EAST 484.14 FEET; THENCE SOUTH 17°05'57" WEST 387.30 FEET; THENCE SOUTHERLY ALONG A TANGENT CURVE HAVING A RADIUS OF 50.39 FEET CONCAVE NORTHWESTERLY, THROUGH A CENTRAL ANGLE OF 57°53'22" AN ARC DISTANCE OF 50.92 FEET; THENCE SOUTH 74°59'19" WEST 57.23 FEET; THENCE SOUTHERLY ALONG A TANGENT CURVE HAVING A RADIUS OF 72.87 FEET CONCAVE SOUTHEASTERLY, THROUGH A CENTRAL ANGLE OF 56°55'59" AN ARC DISTANCE OF 72.41 FEET; THENCE SOUTH 18°03'20" WEST 369.75 FEET; THENCE NORTH 75°18'00" WEST 383.82 FEET; THENCE NORTH 17°50'15" EAST 914.30 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

CONTAINING 9.03 ACRES, MORE OR LESS.

SEE EXHIBIT "B" PLAT FOR LEGAL DESCRIPTION WHICH IS MADE A PART HEREOF.

END OF LEGAL DESCRIPTION

TODD TILLOTSON, PLS
LS #8593

MAY 3, 2019



PLAT TO ACCOMPANY LEGAL DESCRIPTION EXHIBIT "B"



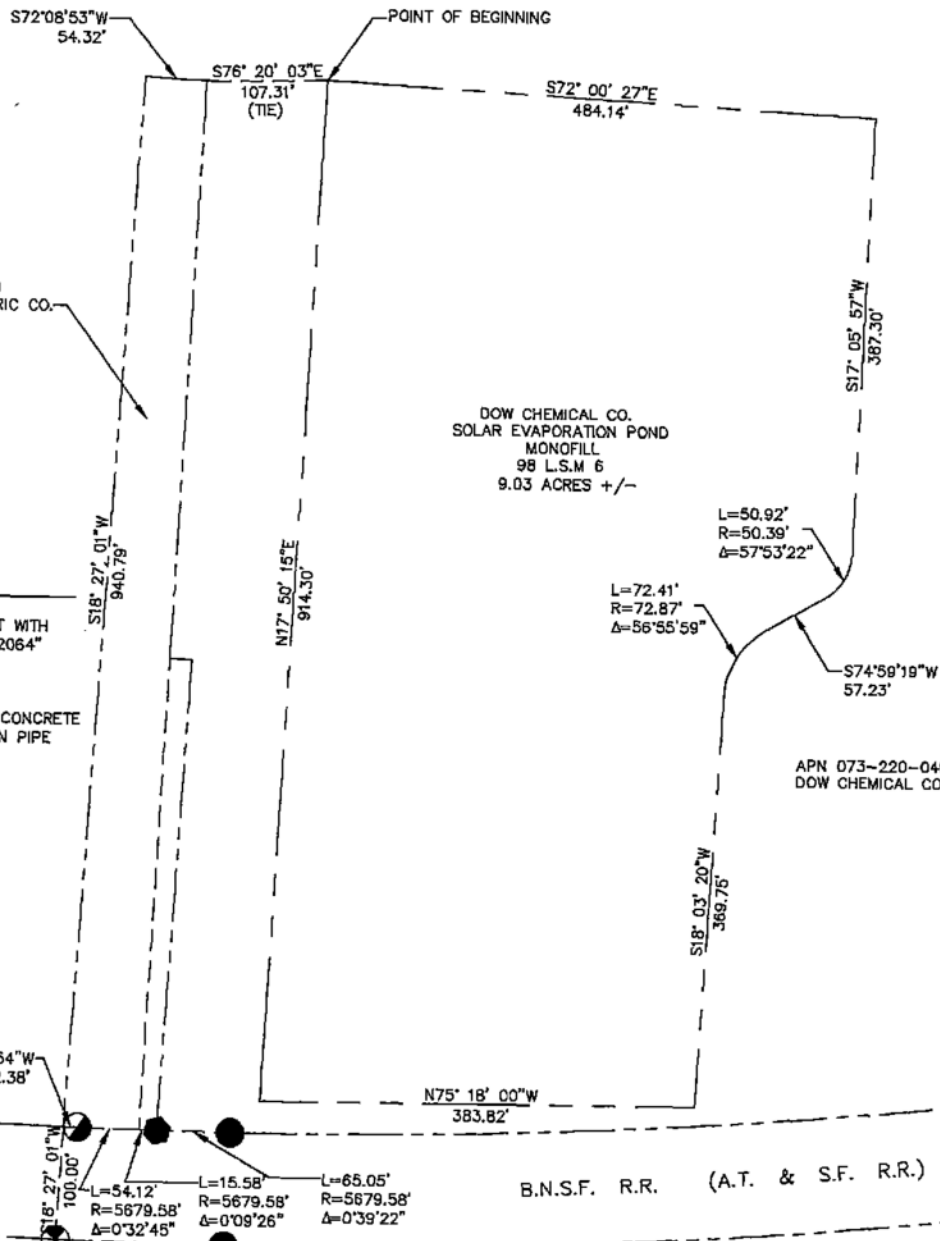
APN 073-220-020
PACIFIC GAS & ELECTRIC CO.

DOW CHEMICAL CO.
SOLAR EVAPORATION POND
MONOFILL
98 L.S.M 6
9.03 ACRES +/-

APN 073-220-049
DOW CHEMICAL CO.

LEGEND

- FOUND CONCRETE MONUMENT WITH BRASS TAG STAMPED "RCE 2064"
- FOUND 1" OPEN IRON PIPE
- ⊗ FOUND 1" DIAMETER HOLE IN CONCRETE (PREVIOUS LOCATION OF IRON PIPE PER 98 LSM 48)
- FOUND 1 1/2" OPEN IRON PIPE



B.N.S.F. R.R. (A.T. & S.F. R.R.)

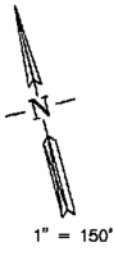
F3 & Associates, Inc.
Land Surveying
701 E. H ST, BENICIA, CA 94510
PHONE(707)748-4300 FAX(707)361-0295
www.F3-inc.com

DOW CHEMICAL COMPANY MONOFILL BOUNDARY

PITTSBURG CALIFORNIA CONTRA COSTA

DESIGN BY:	N/A
DRAWN BY:	H.S.
DATE:	3-25-19
SCALE:	1" = 150'
PAGE OF	2 / 2
JOB NUMBER:	18392

PLAT TO ACCOMPANY LEGAL DESCRIPTION
EXHIBIT "B"



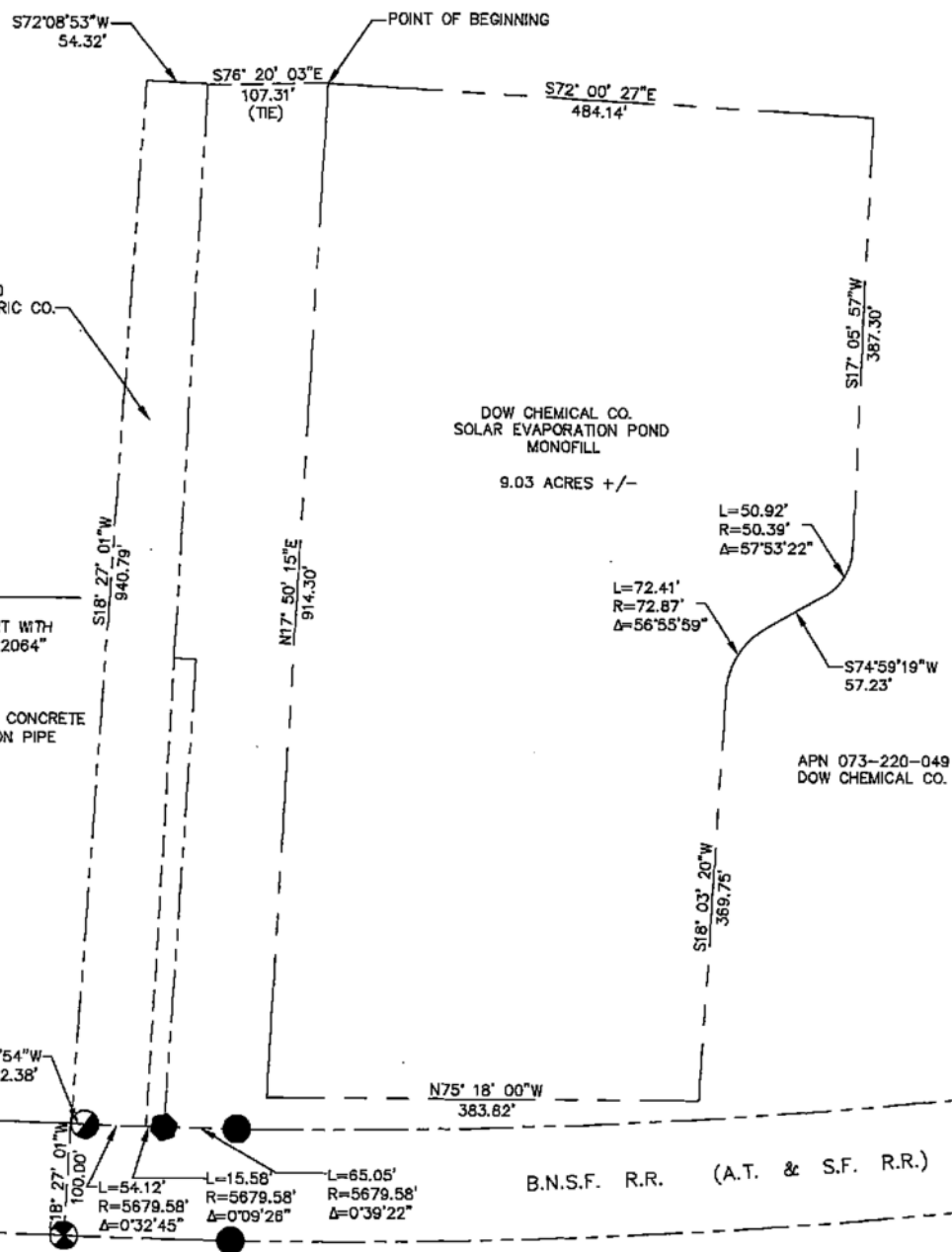
APN 073-220-020
PACIFIC GAS & ELECTRIC CO.

DOW CHEMICAL CO.
SOLAR EVAPORATION POND
MONOFILL
9.03 ACRES +/-

APN 073-220-049
DOW CHEMICAL CO.

LEGEND

- FOUND CONCRETE MONUMENT WITH BRASS TAG STAMPED "RCE 2064"
- FOUND 1" OPEN IRON PIPE
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- FOUND 1 1/2" OPEN IRON PIPE



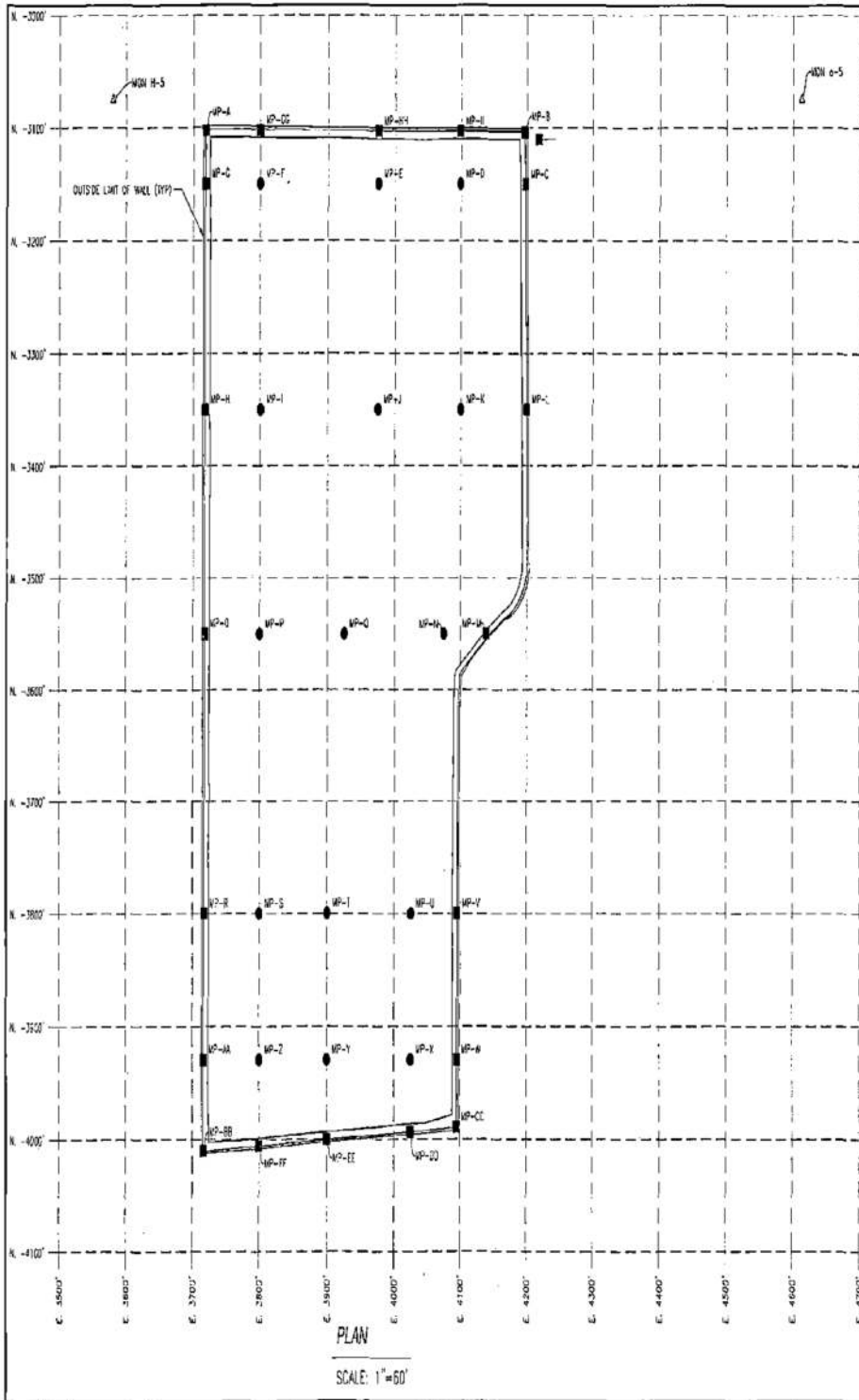
PRELIMINARY

F3 & Associates, Inc.
Land Surveying
701 E. H ST, BENICIA, CA 94510
PHONE(707)748-4300 FAX(707)361-0295
www.F3-Inc.com

DOW CHEMICAL COMPANY
MONOFILL BOUNDARY

PITTSBURG CALIFORNIA CONTRA COSTA

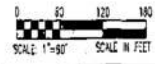
DESIGN BY:	N/A
DRAWN BY:	H.S.
DATE:	3-25-19
SCALE:	1" = 150'
PAGE OF	2 / 2
JOB NUMBER:	18392



SURVEY CONTROL - BASELINE				
POINT NO.	NORTHING (FT)	EASTING (FT)	ELEVATION (FT)	DESCRIPTION
o-5	-3074.99	4612.51	11.45	DOH MONUMENT (TBM)
H-5	-3075.02	3280.07	13.41	DOH MONUMENT
MP-A	-3102.53	3716.87	25.28	SET SCRIBED BOX
MP-AA	-3629.55	3716.79	25.17	SET SCRIBED BOX
MP-B	-3304.12	4196.03	25.31	SET SCRIBED BOX
MP-BB	-4310.34	3716.68	25.15	SET SCRIBED BOX
MP-C	-3150.04	4196.88	25.21	SET SCRIBED BOX
MP-CC	-3869.47	4024.25	25.31	SET SCRIBED BOX
MP-D	-3150.04	4099.05	22.57	SET NAIL AND SHINER
MP-E	-3750.08	3975.13	23.95	SET NAIL AND SHINER
MP-F	-3150.00	3799.98	22.83	SET NAIL AND SHINER
MP-G	-3149.57	3718.41	25.30	SET SCRIBED BOX
MP-H	-3550.03	3718.57	25.35	SET NAIL AND SHINER
MP-I	-3350.02	3803.57	24.41	SET NAIL AND SHINER
MP-J	-3349.55	3674.94	27.72	SET NAIL AND SHINER
MP-K	-3350.01	4099.56	24.81	SET NAIL AND SHINER
MP-L	-3350.02	4192.44	25.25	SET NAIL AND SHINER
MP-M	-3043.57	4139.31	24.43	SET NAIL AND SHINER
MP-N	-3550.04	4374.59	23.62	SET NAIL AND SHINER
MP-O	-3549.53	3925.05	27.63	SET NAIL AND SHINER
MP-P	-3550.05	3803.03	24.37	SET NAIL AND SHINER
MP-Q	-3650.04	3718.38	25.28	SET NAIL AND SHINER
MP-R	-3800.04	3717.57	25.19	SET NAIL AND SHINER
MP-S	-3800.01	3788.69	25.00	SET NAIL AND SHINER
MP-T	-3799.99	3920.02	27.19	SET NAIL AND SHINER
MP-U	-3800.04	4024.59	24.47	SET NAIL AND SHINER
MP-V	-3600.02	4095.16	25.44	SET NAIL AND SHINER
MP-W	-3923.95	4024.67	25.29	SET NAIL AND SHINER
MP-X	-3923.83	4024.89	23.44	SET NAIL AND SHINER
MP-Y	-3923.93	3889.99	24.54	SET NAIL AND SHINER
MP-Z	-3629.56	3803.64	23.92	SET NAIL AND SHINER
MP-DD	-3993.44	4024.85	25.37	SET SCRIBED BOX
MP-EE	-4200.18	3889.83	25.39	SET SCRIBED BOX
MP-FF	-4085.78	3803.02	25.36	SET SCRIBED BOX
MP-GG	-3102.25	3789.81	25.25	SET SCRIBED BOX
MP-HH	-3103.26	3975.25	25.16	SET SCRIBED BOX
MP-II	-3103.70	4099.81	25.18	SET SCRIBED BOX

- LEGEND:**
- SET NAIL AND SHINER
 - SCRIBED BOX

- NOTES:**
- 1.) BASELINE MONITORING SURVEY PERFORMED BY F2 & ASSOCIATES, INC ON NOVEMBER 28, 2018
 - 2.) ALL DISTANCES SHOWN ARE IN U.S. SURVEY FEET AND DECIMAL THEREOF, UNLESS OTHERWISE NOTED
 - 3.) HORIZONTAL CURVE: DOW PLANT DATUM (DOW-3-0-000 R16)
 - 4.) BASIS OF BEARING: DOW MONUMENT o-5 AND HS HELD AS BASELINE
 - 5.) VERTICAL DATUM: DOW PLANT DATUM (DOW-3-0-000 R16)
DOW MONUMENT o-5 EL. 11.46
 - 6.) SIX ADDITIONAL MONITORING POINTS ADDED ON DECEMBER 18, 2019



F2 & ASSOCIATES, INC.
 701 E. H. ST. BENICIA, CA 94510
 PHONE (707) 766-1300
 www.f2-inc.com



CONTRA COSTA COUNTY
 MONITORING PLAN
 CALIFORNIA
MONOFILL SITE

DESIGN BY: -
 DRAWN BY: DCP
 DATE: 12/20/2019
 SCALE: 1"=60'
 SHEET
 OF 1
 JOB NUMBER:
 18132

Exhibit C - Record of Survey

Hcycle Pittsburg

Not Reported
Antioch, CA 94509

Inquiry Number: 7394520.6
July 19, 2023

The EDR Property Tax Map Report

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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Hcycle Pittsburg

Not Reported

Antioch, CA 94509

Inquiry Number: 7394520.3

July 19, 2023

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/19/23

Site Name:

Hcycle Pittsburg
Not Reported
Antioch, CA 94509
EDR Inquiry # 7394520.3

Client Name:

TRC
505 Sansome Street Suite 1600
San Francisco, CA 94111
Contact: Gary Lieberman



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by TRC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # AD69-44F2-8D16
PO # 557647 Phase 2
Project Hcycle

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: AD69-44F2-8D16

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Hcycle Pittsburg

Not Reported

Antioch, CA 94509

Inquiry Number: 7394520.4

July 19, 2023

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

07/19/23

Site Name:

Hcycle Pittsburg
Not Reported
Antioch, CA 94509
EDR Inquiry # 7394520.4

Client Name:

TRC
505 Sansome Street Suite 1600
San Francisco, CA 94111
Contact: Gary Lieberman



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by TRC were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.# 557647 Phase 2
Project: Hcycle

Latitude: 38.021424 38° 1' 17" North
Longitude: -121.844285 -121° 50' 39" West
UTM Zone: Zone 10 North
UTM X Meters: 601440.84
UTM Y Meters: 4208822.28
Elevation: 14.00' above sea level

Maps Provided:

2018 1907
2015
2012
1978, 1980
1968
1953
1916, 1918
1908, 1912

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Antioch North
2018
7.5-minute, 24000



Antioch South
2018
7.5-minute, 24000

2015 Source Sheets



Antioch North
2015
7.5-minute, 24000



Antioch South
2015
7.5-minute, 24000

2012 Source Sheets



Antioch North
2012
7.5-minute, 24000



Antioch South
2012
7.5-minute, 24000

1978, 1980 Source Sheets



Antioch North
1978
7.5-minute, 24000
Aerial Photo Revised 1974

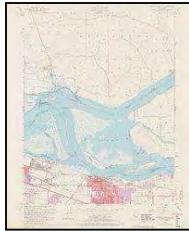


Antioch South
1980
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1968 Source Sheets



Antioch North
1968
7.5-minute, 24000
Aerial Photo Revised 1968

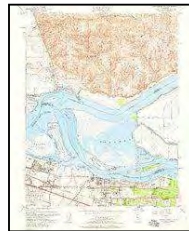


Antioch South
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1953 Source Sheets



Antioch South
1953
7.5-minute, 24000
Aerial Photo Revised 1949

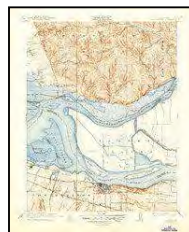


Antioch North
1953
7.5-minute, 24000
Aerial Photo Revised 1949

1916, 1918 Source Sheets

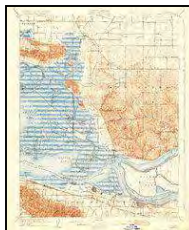


Lone Tree Valley
1916
7.5-minute, 31680



Collinsville
1918
7.5-minute, 31680

1908, 1912 Source Sheets

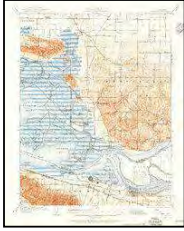


Antioch
1908
15-minute, 62500

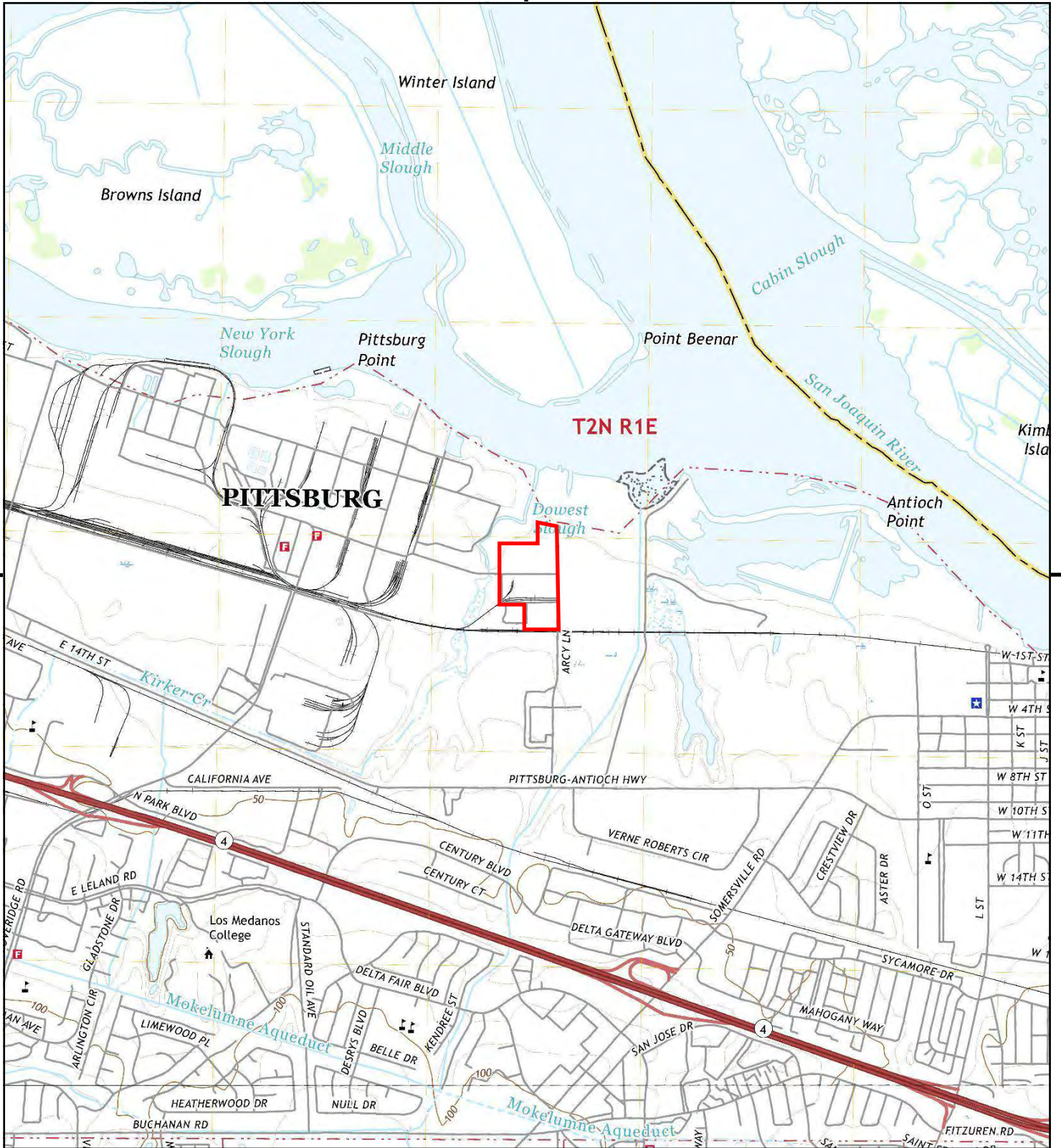
Topo Sheet Key

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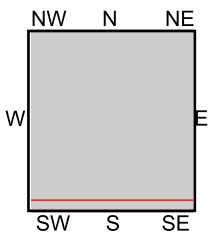
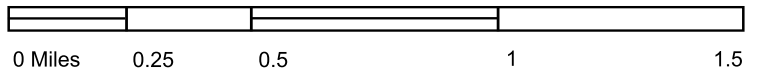
1907 Source Sheets



Antioch
1907
15-minute, 62500



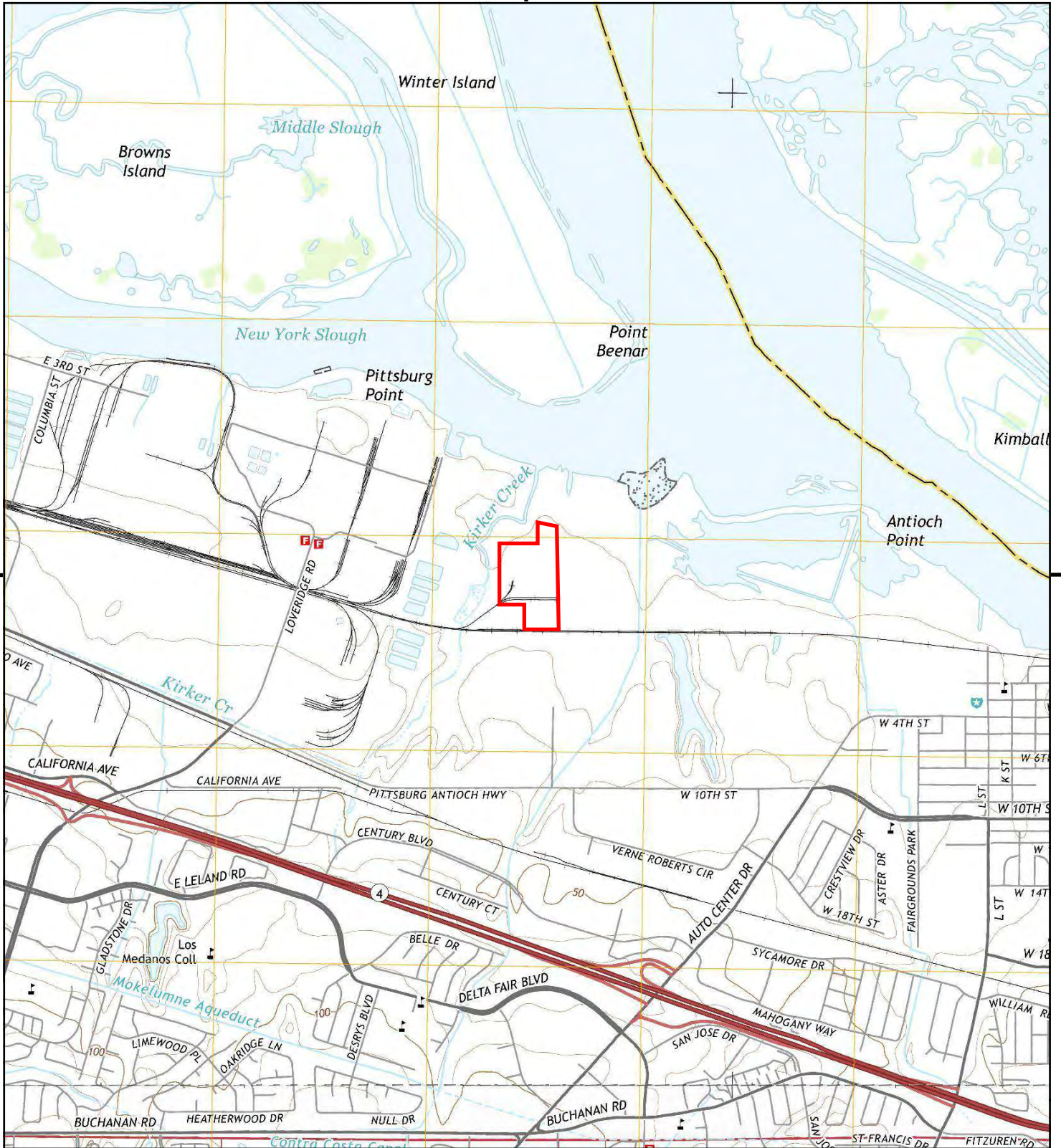
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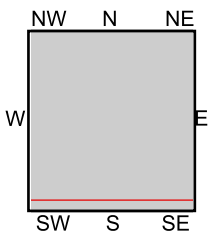
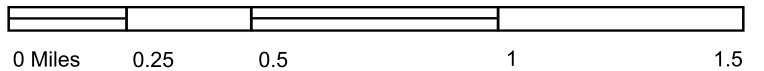
TP, Antioch North, 2018, 7.5-minute
S, Antioch South, 2018, 7.5-minute

SITE NAME: Hcycle Pittsburg
ADDRESS: Not Reported
Antioch, CA 94509
CLIENT: TRC





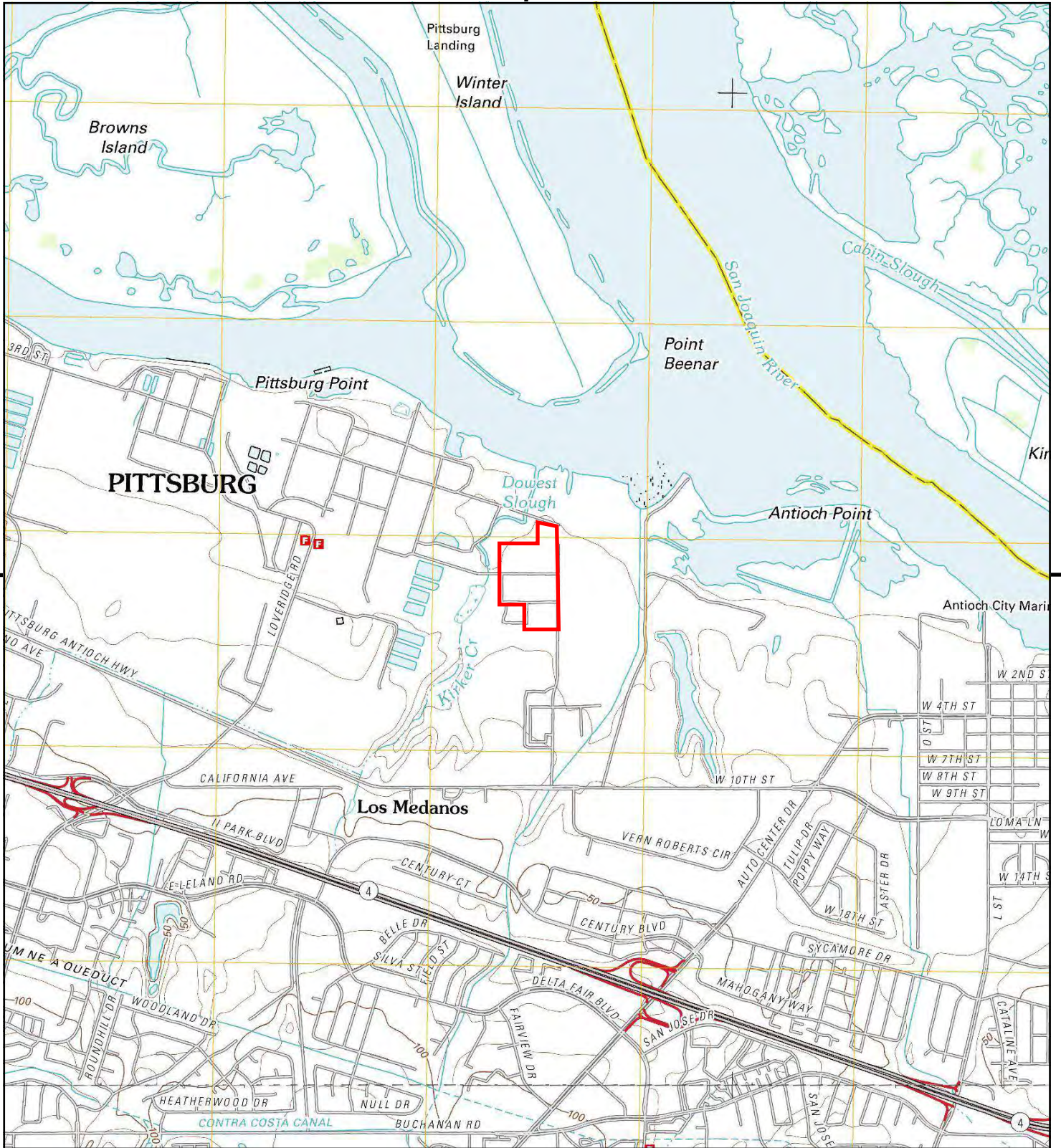
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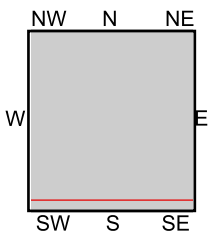
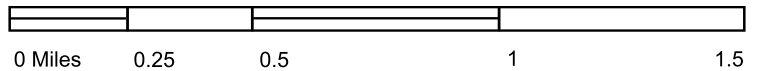
TP, Antioch North, 2015, 7.5-minute
S, Antioch South, 2015, 7.5-minute

SITE NAME: Hcycle Pittsburg
ADDRESS: Not Reported
Antioch, CA 94509
CLIENT: TRC





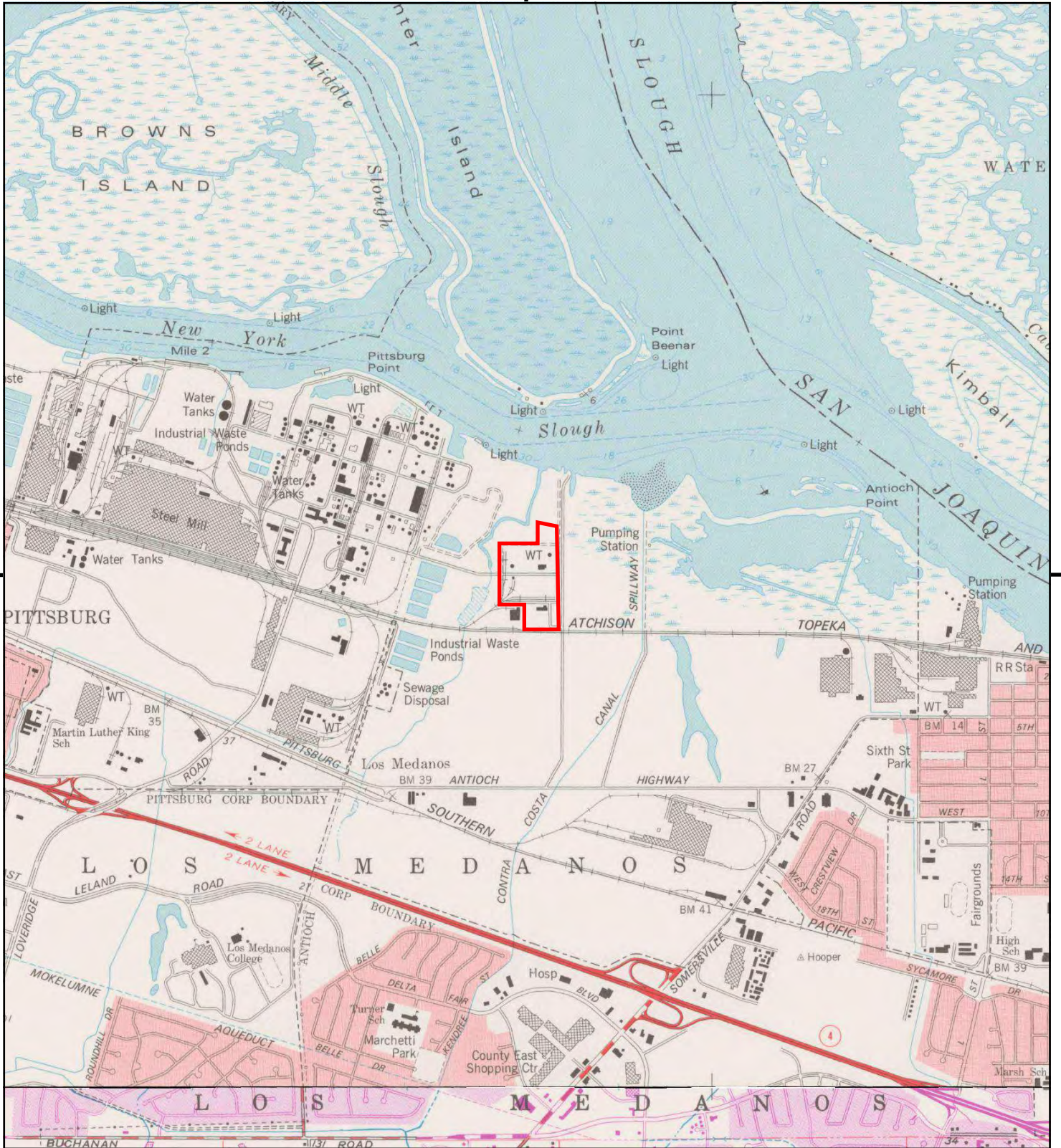
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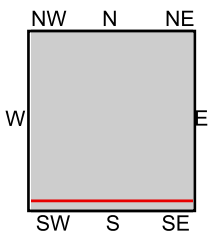
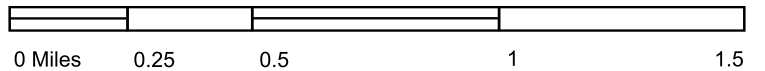
TP, Antioch North, 2012, 7.5-minute
S, Antioch South, 2012, 7.5-minute

SITE NAME: Hcycle Pittsburg
ADDRESS: Not Reported
Antioch, CA 94509
CLIENT: TRC





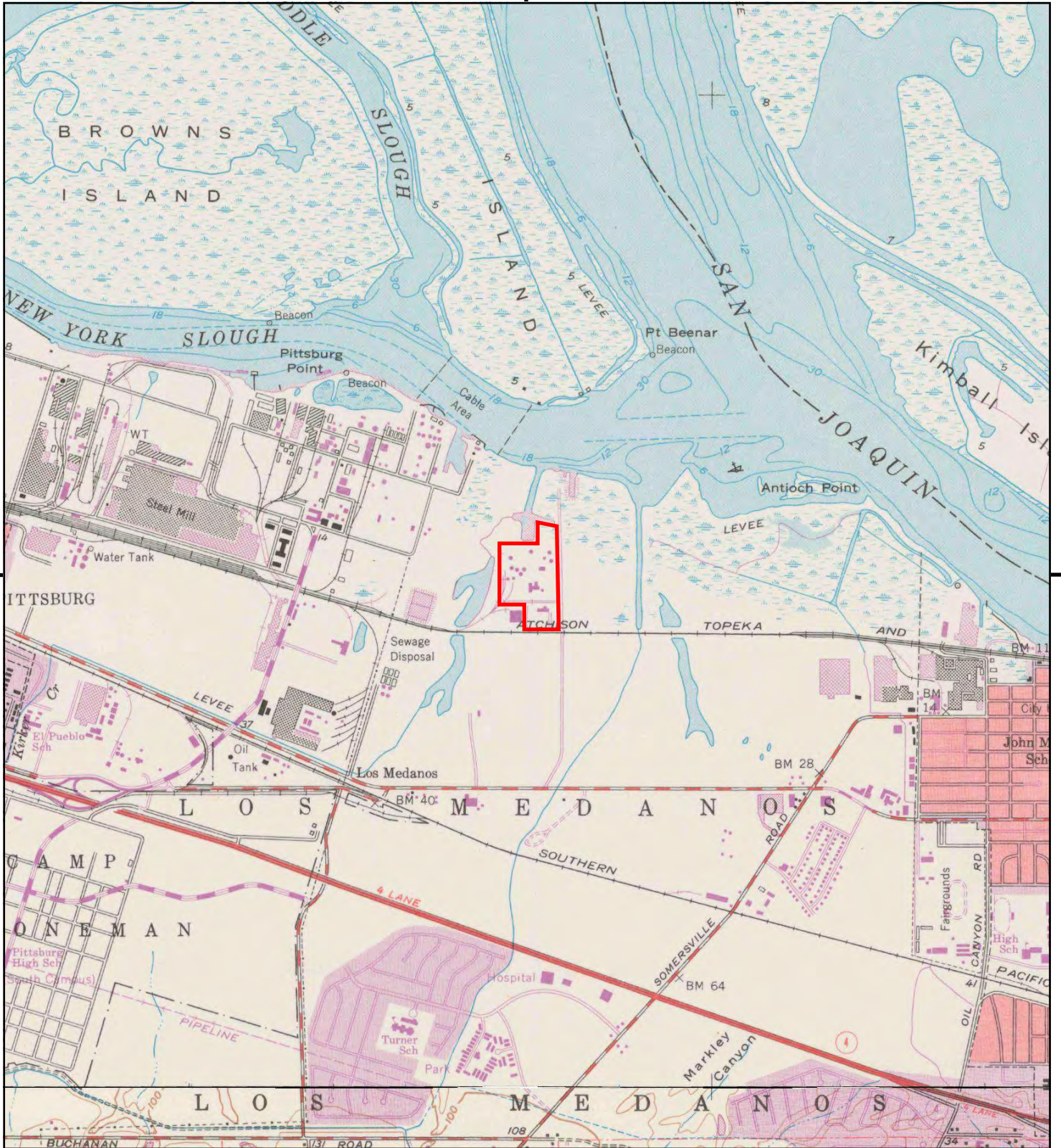
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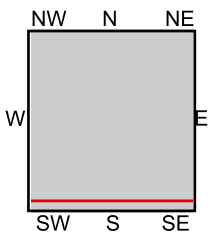
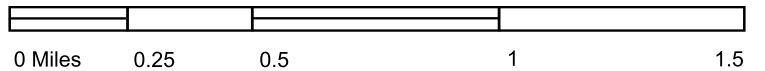
TP, Antioch North, 1978, 7.5-minute
S, Antioch South, 1980, 7.5-minute

SITE NAME: Hcycle Pittsburg
ADDRESS: Not Reported
Antioch, CA 94509
CLIENT: TRC





This report includes information from the following map sheet(s).



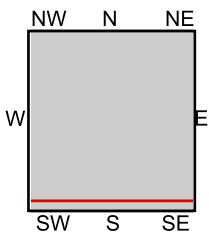
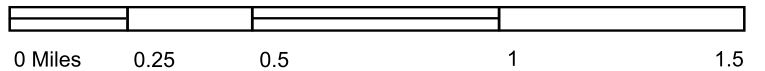
TP, Antioch North, 1968, 7.5-minute
S, Antioch South, 1968, 7.5-minute

SITE NAME: Hcycle Pittsburg
ADDRESS: Not Reported
Antioch, CA 94509
CLIENT: TRC





This report includes information from the following map sheet(s).



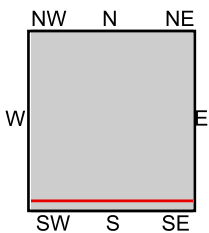
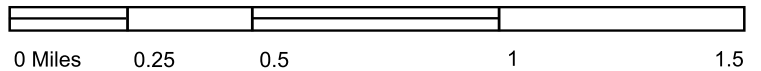
TP, Antioch North, 1953, 7.5-minute
S, Antioch South, 1953, 7.5-minute

SITE NAME: Hcycle Pittsburg
ADDRESS: Not Reported
Antioch, CA 94509
CLIENT: TRC





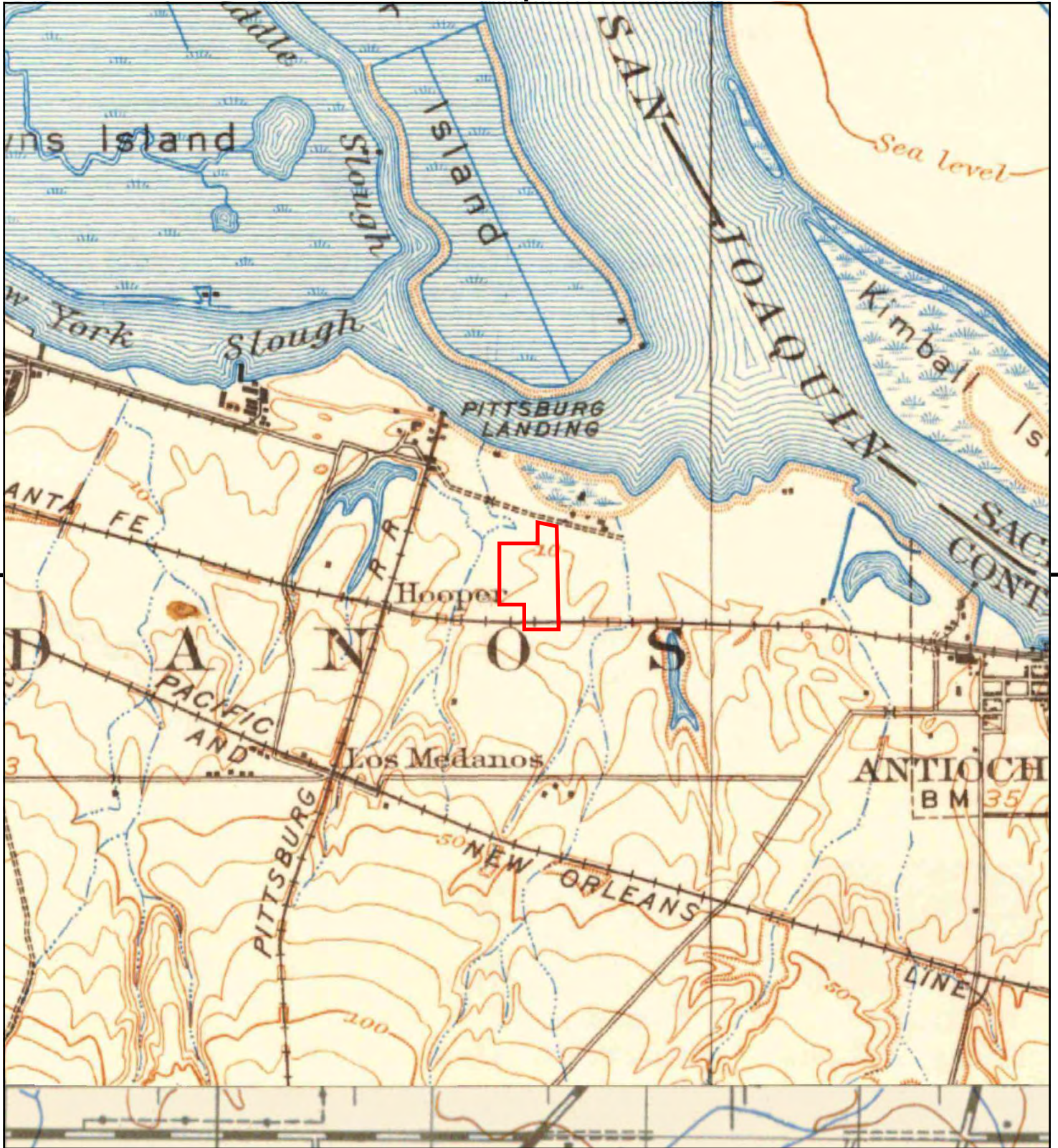
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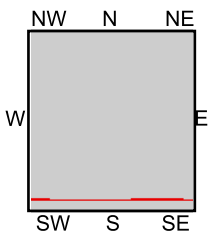
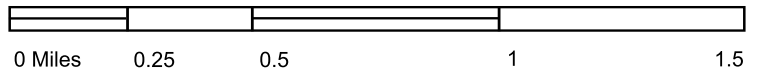
TP, Collinsville, 1918, 7.5-minute
S, Lone Tree Valley, 1916, 7.5-minute

SITE NAME: Hcycle Pittsburg
ADDRESS: Not Reported
Antioch, CA 94509
CLIENT: TRC





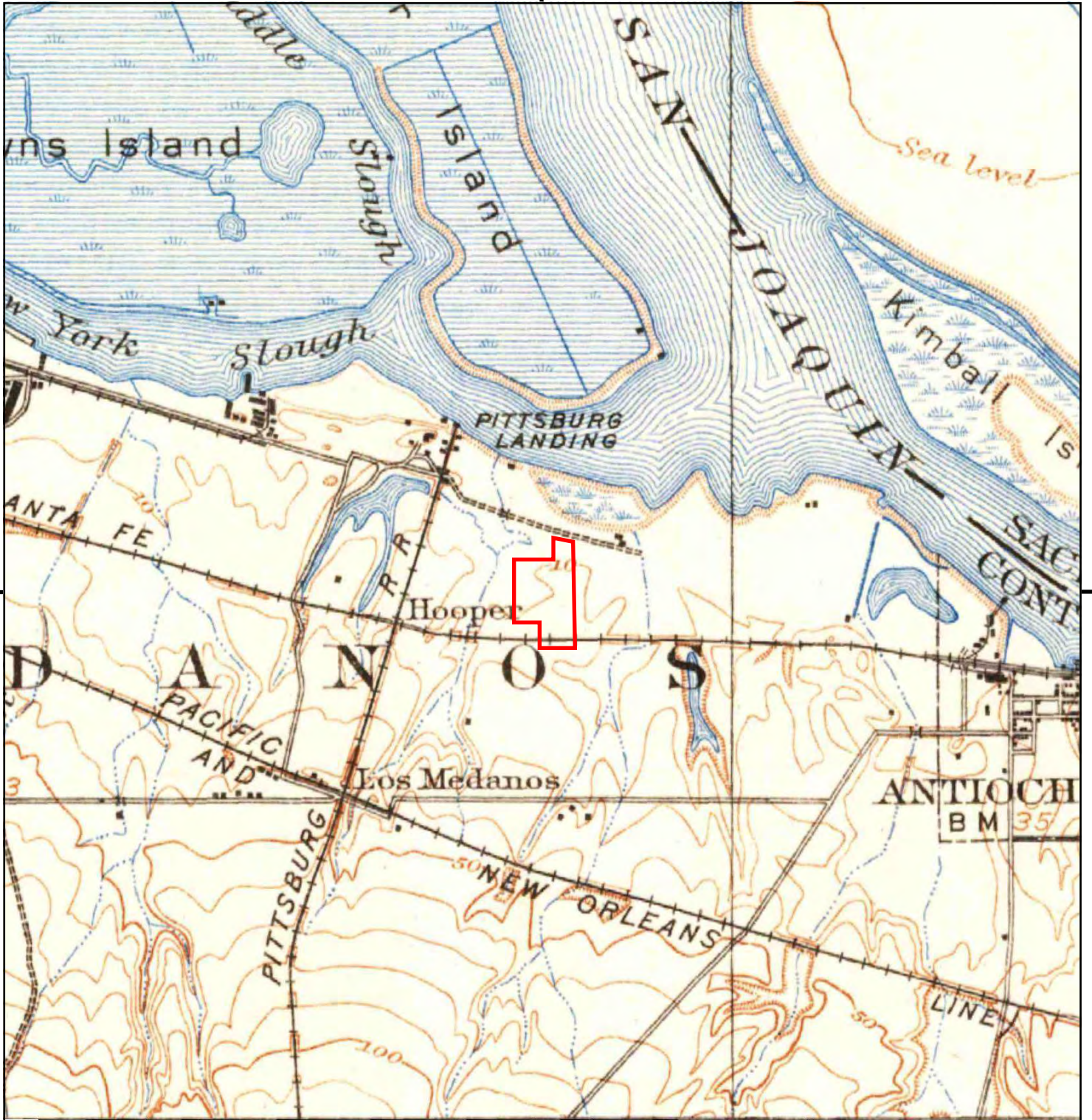
This report includes information from the following map sheet(s).



TP, Antioch, 1908, 15-minute
S, MT. DIABLO, 1912, 15-minute

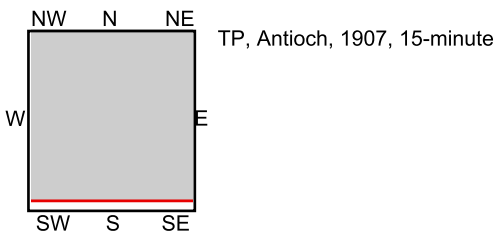
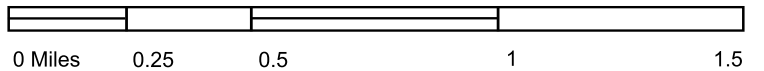
SITE NAME: Hcycle Pittsburg
ADDRESS: Not Reported
Antioch, CA 94509
CLIENT: TRC





UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED

This report includes information from the following map sheet(s).



SITE NAME: Hcycle Pittsburg
 ADDRESS: Not Reported
 Antioch, CA 94509
 CLIENT: TRC



**Appendix D:
Other Reference Information**

DRAFT

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER No. R2-2002-0007

UPDATED WASTE DISCHARGE REQUIREMENTS AND RESCISSION OF ORDER NOS. 97-123 AND 98-059 FOR:

THE DOW CHEMICAL COMPANY
PITTSBURG FACILITY
CONTRA COSTA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter the Regional Board), finds that:

SITE DESCRIPTION & LOCATION

1. The Dow Chemical Company (Dow or Discharger) owns and operates a chemical manufacturing facility at 901 Loveridge Road in Pittsburg, California (Figure 1). The site is bounded by the New York Slough on the north, the Pittsburg-Antioch Highway on the south, Loveridge Road on the west, and parklands and commercial areas on the east. Residential areas exist further to the south beyond the Pittsburg-Antioch Highway. The site occupies approximately 993 acres of which approximately 235 acres are a wetland preserve located on the eastern side of the facility. In addition to active chemical manufacturing facilities, the site contains an active Class II (designated) solid waste landfill and a number of closed solid waste disposal units.
2. Dow currently manufactures latex, agricultural chemicals, fumigants, fungicides, and hydrochloric acid at their Pittsburg facility. Historically, Dow used the site to manufacture chlorine, sodium hydroxide, hydrogen, and chlorinated solvents, including carbon tetrachloride and tetrachloroethene. In addition to chemical manufacturing activities, Dow conducts chemical development research at its Pittsburg facility. The Calpine Corporation operates a power plant on site, producing electricity and steam. The Cynera Company and M.G. Generon fabricate reverse osmosis membranes on the Dow property.

PURPOSE OF ORDER

3. The purpose of this Order is to update waste discharge requirements (WDRs) regarding the operation, closure, post-closure maintenance, and monitoring of Solid Waste Management Units (SWMUs). Specifically, this Order updates the status and requirements for twenty-five SWMUs at the Dow Pittsburg facility and rescinds WDR Order Nos. 97-123 and 98-059. On-going and future corrective measures at the Dow Pittsburg facility are or will be regulated by site cleanup requirements (SCRs) issued pursuant to the California Water Code, Section 13304.

REGULATORY STATUS

4. In June 1987, the Regional Board adopted WDR Order No. 87-064 requiring Dow to characterize all solid waste management units (SWMUs) of concern for water quality impacts and evaluate alternatives for remediation, if necessary.
5. In 1989 the U.S. Environmental Protection Agency (USEPA) issued a 3008(h) Administrative Order for the Dow facility pursuant to the Resource Conservation and Recovery Act (RCRA). The RCRA Order required Dow to 1) determine the nature and extent of any releases of hazardous wastes/constituents at their facility, and 2) evaluate corrective action alternatives necessary to mitigate the migration of hazardous wastes/constituents at their facility.
6. In August 1996, the California Department of Toxic Substances Control (DTSC) issued a Hazardous Waste Facility Permit (EPA ID Number: CAD 076 528 678) for the Dow facility, which contained a Corrective Action Schedule of Compliance. In response to DTSC's permit, the USEPA issued written notice in August 1997 that it had terminated their 3008(h) Administrative Order and that the requirements of that Order had been incorporated into DTSC's permit. At that same time, the Regional Board assumed the role of lead agency for corrective action at the Dow facility pursuant to Section 25204.6 of the California Health and Safety Code (CHSC). Section 25204.6 of the CHSC allows the Regional Board to implement and enforce the corrective action requirements of Article 6, Chapter 14, Division 4.5, Title 22 of the California Code of Regulations (22CCR).
7. In 1997, the Regional Board adopted WDR Order No. 97-123 requiring Dow to extract groundwater impacted with volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) in order to capture contaminant mass and mitigate impacts in specific areas. Order No. 97-123 established interim minimum groundwater extraction rates in order to take advantage of Dow's existing groundwater treatment capacity until a final remedy could be implemented. Order No. 97-123 also established injection standards for the treated groundwater should Dow select injection as the preferred disposal method. Interim extraction requirements were established in anticipation of a larger, site-wide corrective action remedy based on hydraulic containment of VOCs in groundwater.
8. In 1998, the Regional Board adopted WDR Order No. 98-059 thereby establishing requirements for implementation of corrective action remedies for the SWMUs and for VOC contaminants in groundwater. WDR Order No. 98-059 also rescinded Order No. 87-064. WDR Order No. 98-059 accepted Dow's 1997 proposal for site-wide corrective action of VOC-impacted groundwater using hydraulic containment. However, prior to implementation, Dow determined that hydraulic containment would not be economically feasible due primarily to site hydrogeology. As a result, Dow investigated the use of engineered in-situ bioremediation as the site-wide corrective action remedy and submitted a revised corrective action plan in 1999. Currently the Regional Board is the lead agency overseeing corrective action at the Dow Pittsburg facility.
9. Dow's surface water discharges are regulated by NPDES permit CA0004910 (WDR Order No. 01-142) issued by the Regional Board.

HYDROGEOLOGIC CHARACTERIZATION AND GROUNDWATER CONDITIONS

10. The Dow Pittsburg facility is located in the Pittsburg Plain Groundwater Basin that is bounded by the hills south of the facility, the western portion of the Sacramento-San Joaquin River delta in the north, Bay Point in the west, and the City of Antioch in the east. The basin is filled with unconsolidated fluvial and alluvial sediments deposited in the Sacramento-San Joaquin River delta and in alluvial fans formed by streams draining the hills south of the facility. Groundwater at the Dow facility is first encountered at depths beginning from approximately 2 to 13 feet below ground surface (bgs).
11. Lithology of the shallow subsurface beneath the site consists of a low-permeability silty clay in the upper 40 feet (designated as the water-table interval) with a saturated sand unit extending from approximately 40 to 135 feet bgs. A layer of low permeability material consisting mostly of clay is also present between approximately 85 to 110 feet bgs in the northern portion of the site. This lower clay layer extends southward from the northern boundary of the facility (New York Slough) and pinches out approximately 200 feet south of 2nd Street. Where present, the lower clay layer divides the saturated sand unit into two intervals designated as the mid-depth interval (40-85 feet bgs) and the deep interval (110-135 feet bgs). As the lower clay layer thickens along the northern boundary of the facility (toward the Slough), the mid-depth interval of the saturated sand unit generally becomes thinner/finer grained and apparently pinches out in various locations near the Slough bank. Regionally, a clay layer exists below the deep interval of the saturated sand unit from approximately 130 to as much as 800 feet bgs. Table 1 summarizes the water-bearing intervals at the Dow site.

Table 1. Depths of Occurrence of Groundwater Transmissive Zones at the Dow Pittsburg Facility

Transmissive Zone	Typical Depths (fbgs)
Water Table Interval	5 to 40
Mid-Depth Interval	40 to 85
Deep Interval	110 to 135

12. VOCs and SVOCs have been detected at elevated concentrations in groundwater at various locations beneath the Dow facility in the interior of the site and near the perimeter adjacent to New York Slough and Bundesen Bay (Figure 2). Table 2 summarizes the principal organic contaminants identified in groundwater beneath the site.

Table 2. Principal Organic Contaminants Detected in Groundwater Beneath the Dow Pittsburg Facility

Principal VOCS and SVOCS	
• tetrachloroethene (PCE)	• methylene chloride (MeCl)
• trichloroethene (TCE)	• chloromethane (CM)
• 1,2-dichloroethene (1,2-DCE)	• 1,2-dichloropropane (1,2-DCP)
• 1,1-dichloroethene (1,1-DCE)	• hexachlorobenzene (HCB)
• 1,2-dichloroethane (1,2-DCA)	• hexachloroethane (HCA)
• 1,1-dichloroethane (1,1-DCA)	• pentachlorophenol (PCP)
• vinyl chloride (VC)	• benzene
• carbon tetrachloride (CCL ₄)	• toluene
• chloroform (CF)	

13. The organic contaminants in groundwater summarized in Tables 2 are generally the result of numerous historic spills and leaks to the ground that have occurred throughout the facility during the course of operations. Their sources are generally not the discrete SWMUs regulated under this Order.
14. Mercury and methyl mercury have also been detected in groundwater in the northern portion of the site. The source of mercury in groundwater was Dow's former chlor-alkalai plant, which is located at the southwestern corner of the Former Outfall Pond (Figure 3). The Former Outfall Pond is a SWMU that was closed in compliance with WDR Order No. 98-059. Dow has submitted a technical report that presents an evaluation of mercury impacts and hydrogeologic conditions in the vicinity of the Former Outfall Pond (*Report on Evaluation of Mercury Flux at the Former Outfall Pond, June 2001*). The need for further investigation and/or corrective action will be evaluated based on the extent and magnitude of mercury impacts. Table 3 summarizes the maximum reported mercury and methyl mercury concentrations in groundwater in each transmissive zone in the vicinity of the former chlor-alkalai plant and the Former Outfall Pond.

Table 3 Maximum Mercury and Methyl Mercury Concentrations in Groundwater in the Vicinity of the Former Chlor-Alkalai Plant and the Former Outfall Pond at the Dow Pittsburg Facility

	Maximum Concentrations During Most Recent Characterization (2000–2001) (ug/l)		
	Water Table	Mid-Depth	Deep
Mercury	486	0.39	---
Methyl Mercury	3.6	0.00058	---

'---' No Data.

SURFACE WATER IMPACTS

15. VOCs have been detected in surface water grab samples collected in Bundesen Bay. Additionally, grab samples from a groundwater seep in the southwestern corner of Bundesen Bay contained significant VOC concentrations. The discharge of VOC-contaminated groundwater beneath the Dow facility into Bundesen Bay is believed to be the source of VOC impacts to surface water in Bundesen Bay.

SOLID WASTE MANAGEMENT UNITS (SWMUs)

16. In 1986 the USEPA prepared a RCRA Facility Assessment (RFA) report that identified 25 SWMUs at the Dow Pittsburg facility. In June 1987, the Regional Board issued WDR Order No. 87-064 requiring Dow to characterize the areas of potential concern identified in the RFA report and, if necessary, evaluate alternatives for remediation. In response, Dow has submitted various reports addressing RWQCB requirements for SWMU investigations and closures. Much of the work is summarized in a twelve-volume Remedial Feasibility Investigation and Corrective Action Program report submitted in December 1988. Dow's March 1995 Corrective Measures Study Report presents various alternatives for closing SWMUs and for monitoring and maintenance of closed SWMUs.
17. In 1998, the Regional Board adopted WDR Order No. 98-059 addressing closure and maintenance of three of the twenty-five identified SWMUs. The SWMUs addressed in WDR Order No. 98-059 include the Class III Northeast Landfill, which is currently active, the Hexachlorobenzene Trench, which has since been closed, and the Former Outfall Pond, which has also been closed (Figure 4). Table 4 summarizes the twenty-five identified SWMUs at the Dow facility and the status of each. Requirements in WDR Order No. 98-059 pertaining to these solid waste management units have been satisfied.

Table 4 SWMUs Identified at the Dow Pittsburg Facility

RFA Unit No.	SWMU Description	Action Required	Status/Comments
4.1 - 4.7	Aboveground Storage Tanks (6, 15, 21, 102, 156, 408, 506-A, 506-B)	None	All tanks closed and removed.
4.8	Storm Sewer System	Maintenance/ Retrofitting as Needed	Ongoing program to retrofit old pipelines to prevent infiltration of groundwater contaminants into sewer system.
4.9	Former Solar Evaporation Ponds (Class I - Monofill)	Post-Closure Maintenance	The six surface Impoundments were closed between 1988 and 1990 pursuant to <i>Closure Plan - Class I Surface Impoundments</i> as amended, dated November 1, 1988, approved jointly by DTSC and RWQCB.
4.10	Central Landfill (Class II)	Post-Closure Maintenance	Closure performed simultaneously with closure of adjacent Solar Evap. Ponds (shares hydraulic containment system). Closure is managed pursuant to <i>Final Closure of the Central Landfill at the Dow Pittsburg Facility</i> , dated October 20, 1997.
4.11	Northeastern Landfill (Class II)	Active; operational Maintenance and Monitoring	Dow submitted a report titled <i>Preliminary Closure Plan and Post-closure Maintenance Plan for the Northeast Landfill</i> , dated March 24, 1999 in compliance with WDR Order No. 98-059.
4.12	Hexachlorobenzene Disposal Trench (Class I)	Post-Closure Maintenance & Monitoring	Final cover installed in July 1998 in compliance with WDR Order No. 98-059 as documented in <i>Hexachlorobenzene Trench, Documentation of Final Cover</i> , dated December 21, 1998.
4.13	Inactive Hazardous Waste Disposal Area – chemical research disposal trench (Class I)	None	Closed in 1960's. Area is covered with asphalt. Not a significant source of groundwater contamination. Partially covered by a concrete-diked tank farm and buildings.
4.14	Former Municipal Landfills (Northwestern and North Central)	None	Contain mostly construction waste, but dates of disposal, volume, and type of wastes disposed of are not documented.
4.15	Former Brine Process Ponds	None	Sediment removed. Ponds backfilled with clean soil. Concrete slab constructed over backfilled ponds.

Table 4 (continued) SWMUs Identified at the Dow Pittsburg Facility

RFA Unit No.	SWMU Description	Action Required	Status/Comments
4.16 4.17	Former Latex Coagulation Ponds and Latex Firewater Reservoir	None	Sludge and visibly contaminated soil excavated and ponds backfilled with clean soil.
4.18	Sym-tet Fire Water Receiving Impoundment	None	Closed pursuant to <i>Closure Report Sym-tet Fire Water Impounding Basin</i> , dated September 30, 1987.
4.19	Former Outfall Pond	Post-Closure Maintenance & Monitoring	Closed and capped in Oct. 2000 in compliance with WDR Order No. 98-059 as documented in <i>Former Outfall Pond Cap Construction Project Closure Report</i> , dated December 2000.
4.20	Shock Pond	None	Stormwater detention pond replaced with concrete holding basin.
4.21	Former Drum Storage Area	None	Closed. No evidence of spills or releases.
4.22	E-002 Pond	None	River water clarification area. No hazardous wastes ever deposited.
4.23	Inactive Ethyl Corporation Property (900/1000 Block)	Further evaluation to determine need for remediation	Ethyl Corp. stored chemicals used to manufacture tetraethyl lead in this area prior to Dow's purchase of the property in 1982. Approx. 70% of area is covered with asphalt pavement. Groundwater extraction wells have been installed to contain an isolated low-level VOC plume. Lead has not been detected in groundwater since 1992. Potential for use of bioremediation to be investigated.
4.24	Pioneer Rubber Plant	None	Closed.
4.25	Rail Car Washing Area	None	Closed. No evidence of releases.

Class II Northeast Landfill

- The Northeast Landfill is currently the only active SWMU at the Dow facility. It is bounded by New York Slough to the north, Third Street to the south, J Street to the west, and the Kirker Creek Remnant Channel to the east (Figure 4). The unlined landfill spans approximately 15 acres and has been in use since the 1930's. Materials disposed of in the landfill include inert wastes such as concrete rubble, brick, wood, miscellaneous construction debris and excavation dirt, asphalt paving, and brine mud. Historically, garbage and other miscellaneous refuse were disposed of in the landfill during the 1950s and 1960s. Antioch Harbor dredge bottoms were reportedly placed in the landfill in the 1970s.

19. Currently, disposal of construction materials into the Northeast Landfill is limited to about 100 cubic yards per year. The brine mud, a waste product of the on-site Brine Plant, is currently disposed of in the Northeast Landfill at an approximate rate of 125 cubic yards per year. The Brine Plant produces a concentrated commercial brine solution and condensate used as boiler feed at an on-site power plant. Feed to the Brine Plant consists of extracted groundwater treated to remove VOCs and SVOCs, treated storm water runoff that has contacted chemical process units, plus various maintenance and scrubber waters that have been treated in the site's wastewater processing units. The brine mud waste has a moisture content of 45%, and a pH of about 11. Dow estimates 40,000 cubic yards of remaining capacity are left in the landfill and plans to continue operation indefinitely. Dow has installed a French drain extraction system around the perimeter of the landfill in compliance with the state's general construction standards for landfill containment structures. In March 1999, Dow submitted a preliminary closure and post-closure maintenance plan for the Northeast Landfill in compliance with WDR Order No. 98-059.

BASIN PLAN AND RESOLUTIONS

20. The Regional Board adopted a revised Water Quality Plan for the San Francisco Bay Basin (Basin Plan) in June 21, 1995. This updated and consolidated plan represents the Regional Board's master water quality control planning document. The State Water Resource Control Board and the Office of the Administrative Law approved the revised Basin Plan on July 20 and November 13, respectively, of 1995. A summary of revisions to regulatory provisions is contained in Section 3912, Title 23 of the California Code of Regulations. The Basin Plan defines beneficial uses and water quality objectives for waters of the State, including surface water and groundwater.
21. The Basin Plan provides that all groundwaters are considered suitable, or potentially suitable, for municipal or domestic water supply (MUN) and that, in making any exceptions, the Regional Board will consider the criteria referenced in Regional Board Resolution No. 89-39, "Sources of Drinking Water", where:
 - (a) The total dissolved solids exceed 3,000 mg/l (5,000 μ S/cm, electrical conductivity), and it is not reasonably expected by the Regional Board that the groundwater could supply a public water system, or
 - (b) There is contamination, either by natural processes or human activity (unrelated to the specific pollution incident), that cannot reasonably be treated for domestic use using best management practices or best economically achievable treatment practices, or
 - (c) The water source does not provide sufficient water to supply a single well capable of producing an average, sustained yield of 200 gallons per day.
22. The groundwater beneath the Dow site north of the Atchison Topeka and Santa Fe Railway line has TDS/electrical conductivity that is significantly higher than the 3000 mg/l (5000 μ S/cm) levels considered as maximums for suitability for municipal or domestic water supply. Furthermore, it is not reasonable to expect that the groundwater could supply a public water system because significant pumping of the aquifer is likely to result in

saltwater intrusion that would further degrade water quality. There is evidence that past pumping of the aquifer in the early 1900s resulted in increased salinity. Therefore, the groundwater beneath the Site satisfies the Basin Plan exemption criteria cited in Finding No. 21(a).

BENEFICIAL USES OF SURFACE WATER AND GROUNDWATER

Groundwater

23. The Site resides within the boundaries of the Pittsburg Plain Groundwater Basin, as defined in the Basin Plan. The existing and potential beneficial uses identified for groundwater in this basin, according to the Basin Plan, include:

- Municipal and Domestic Supply (MUN)
- Industrial Process Supply (PROC)
- Industrial Service Supply (IND)
- Agricultural Supply (AGR)

Surface Water

24. The northern portion of the Dow facility is bounded by New York Slough. New York Slough is located within the San Francisco Bay/Delta system between Suisun Bay to the west and the confluence of the Sacramento and San Joaquin Rivers to the east. Contra Costa Water District maintains a drinking water intake at Mallard Slough four miles west of the Dow facility. The Mallard Slough intake is used to augment the main supply primarily during winter and spring months when the salinity is low. The existing and potential beneficial uses identified for surface water in New York Slough and contiguous water bodies, according to the Basin Plan, include:

- Ocean, Commercial, and Sport Fishing (COMM)
- Preservation of Rare and Endangered Species (RARE)
- Water Contact Recreation (REC1)
- Non-Water Contact Recreation (REC2)
- Fish Migration (MIGR)
- Fish Spawning (SPWN)
- Wildlife Habitat (WILD)
- Estuarine Habitat (EST)
- Marine Habitat (MAR)
- Navigation (NAV)
- Industrial Process Supply (PROC)
- Industrial Service Supply (IND)
- Groundwater Recharge (GWR)
- Agricultural Supply (AGR)
- Municipal and Domestic Supply (MUN)

CALIFORNIA ENVIRONMENTAL QUALITY ACT

25. This action is exempt from provisions of the California Environmental Quality Act pursuant to Section 15301, Title 14 of the California Code of Regulations.

NOTIFICATION AND PUBLIC MEETING

26. The Regional Board has notified the Discharger and interested agencies and persons of its intent to update waste discharge requirements and has provided them with an opportunity to submit their written views and recommendations.
27. The Regional Board, in a public meeting, heard and considered all comments pertaining to the proposed waste discharge requirements for the Site.

IT IS HEREBY ORDERED pursuant to the authority in Section 13263 of the California Water Code (CWC), Title 27, Division 2, Subdivision 1 of the California Code of Regulations (27CCR), and Chapter 15, Division 3, Title 23 of the California Code of Regulations (Chapter 15) that the Discharger, its agents, successors, and assigns shall meet the applicable provisions contained in 27CCR, Chapter 15, and Division 7 CWC, and shall comply with the following:

A. PROHIBITIONS

1. The treatment, storage, and discharge of groundwater shall not create a condition of pollution or nuisance as defined in Section 13050(m) CWC, nor degrade the quality of the groundwater in the aquifers to which it is injected.
2. Untreated or inadequately treated groundwater shall not create a condition of pollution or nuisance as defined in Section 13050(m) CWC, nor degrade the quality of waters of the State or of the United States.
3. The relocation of wastes to or from waste management units shall not create a condition of pollution or nuisance as defined in Section 13050 (1) and (m) CWC. Any relocated waste shall not be placed in or allowed to contact ponded water from any source whatsoever. Wastes shall not be relocated to any location where they can be discharged into waters of the State or of the United States.
4. Leachate and ponded water containing leachate or in contact with waste shall not be discharged to waters of the State or of the United States unless specifically authorized under an NPDES permit.
5. The creation of any new waste management units is prohibited without prior Regional Board staff concurrence.
6. Excavation within or reconfiguration of any existing waste management unit is prohibited without prior concurrence of Regional Board staff.

7. The Discharger, or any future owner of the site, shall not cause the following conditions to exist in waters of the State or of the United States at any place outside existing waste management units:
 - a. Surface Waters:
 - (1) Floating, suspended, or deposited macroscopic particulate matter or foam
 - (2) Bottom deposits or aquatic growth
 - (3) Adversely alter temperature, turbidity, or apparent color beyond natural background levels
 - (4) Visible, floating, suspended, or deposited oil or other products of petroleum origin
 - (5) Toxic or other deleterious substances to be present in concentrations or quantities that may cause deleterious effects on aquatic biota, wildlife, or waterfowl, or that render any of these unfit for human consumption either at levels created in the receiving waters, or as a results of biological concentrations
 - b. Groundwater:
 - (1) Further degradation of groundwater quality and/or substantial worsening of existing groundwater impacts
 - (2) Further significant migration of pollutants through subsurface transport
8. Discing of landfill covers is prohibited without prior concurrence of Regional Board staff. Alternate methods of controlling vegetative growth, which do not affect the integrity of the landfill cap, shall be utilized.

B. SPECIFICATIONS

1. All reports submitted pursuant to this Order shall be prepared under the supervision of and signed by a California registered civil engineer, registered geologist, or certified engineering geologist.
2. Surface drainage from tributary areas and internal site drainage from surface or subsurface sources shall not contact or percolate through wastes during the life of the site.
3. Containment, collection, drainage, and monitoring systems at the facility, shall be maintained as long as leachate is present and poses a threat to water quality.
4. Final cover systems for waste management units shall be graded and maintained to promote lateral runoff and prevent ponding and infiltration of water.
5. The Discharger shall install any reasonable additional groundwater and leachate monitoring devices required to fulfill the terms of any future Self-Monitoring Program issued by the Executive Officer.
6. The Discharger shall maintain all devices or designed features, installed in accordance with this Order such that they continue to operate as intended without interruption, except for limited periods of maintenance and repair.

7. The Discharger shall conduct monitoring activities according to the Self-Monitoring and Reporting Program attached to this Order and as may be amended by the Executive Officer, to verify the effectiveness of groundwater remediation and containment systems and waste management unit closure systems.
8. In the event of a release of a constituent of concern beyond the Point of Compliance (27CCR, Section 20405), the site begins a Compliance Period (27CCR, Section 20410). During the Compliance Period, the Dischargers shall perform an Evaluation Monitoring Program and a Corrective Action Program.
9. Landfill gases shall be adequately vented, removed from the landfill, or otherwise controlled to minimize the danger of explosion, adverse health effects, nuisance conditions, or the impairment of beneficial uses of water.
10. At any time, the Discharger may file a written request (including supporting documentation) with the Executive Officer, proposing modifications to the attached Self-Monitoring and Reporting Program. If the proposed modifications are acceptable, the Executive Officer may issue a letter of approval that incorporates the proposed revisions into the Self-Monitoring and Reporting Program.
11. The Discharger shall notify the Regional Board at least six months prior to beginning final closure activities for any waste management unit.
12. The Discharger shall comply with all applicable provisions of 27CCR that are not specifically referred to in this Order.
13. The Discharger shall provide a minimum of two surveyed permanent monuments near the landfill from which the location and elevation of wastes, containment structures, and monitoring facilities can be determined throughout the operation and post-closure maintenance period. A licensed land surveyor or registered civil engineer shall install these monuments.
14. The Discharger shall notify the Regional Board immediately of any failure occurring in any waste management unit. Any failure that threatens the integrity of any containment and control facilities, structures, or devices, shall be promptly corrected after approval of the method and schedule by the Executive Officer.
15. The Discharger shall maintain the facility so as to prevent a statistically significant increase in water quality parameters at points of compliance as provided in 27CCR, Section 20420.
16. All Class I units must comply with the applicable Chapter 15 and RCRA requirements.

C. PROVISIONS

1. **Self-Monitoring Program:** The Discharger shall comply with the updated Self-Monitoring Program (SMP) as attached to this Order (Part A and Part B). The attached SMP is designed to collect information necessary to evaluate the integrity of active and closed waste management units. The attached SMP is also designed to detect any discharges from waste management units and the significance and stability of any discharge. The attached SMP may be amended at the discretion of the Executive Officer, as necessary to better evaluate site conditions and discharges.

COMPLIANCE DATE: IMMEDIATE

2. **Demonstration of Hydraulic Containment and a Five-Foot Separation from Groundwater:** The Discharger shall submit technical reports semi-annually, which demonstrate, to the satisfaction of the Executive Officer, the maintenance of hydraulic containment of groundwater beneath the Class I Former Solar Evaporation Ponds (Monofill) and the Class II Central Landfill. Each semi-annual technical report shall also demonstrate the maintenance of a minimum five-foot separation between the base of each unit and the groundwater table. Demonstration of these requirements shall be made graphically and with tabulated data, as follows:
 - a. a piezometric surface contour map showing monitoring wells/locations, extraction wells/locations, perimeter drains, and water-level measurements
 - b. a table or tables that include all monitoring wells/locations, corresponding water-level measurements, measurement dates, extraction wells/locations, individual and total extraction rates, the total extraction volume for the semi-annual period, and the cumulative extraction volumes.

The above information may be incorporated into each semi-annual self-monitoring report required pursuant to Provision C.1 of this Order in lieu of a separate technical report. Demonstration of hydraulic containment and separation from groundwater for these units must be made using data collected on a semi-annual or more frequent basis.

COMPLIANCE DATE: August 31 and March 1 of each year

3. **Constituents of Concern (COCs):** The Discharger shall submit a technical report, acceptable to the Executive Officer, that presents a complete list of COCs for each SWMU monitored pursuant to the SMP attached to this Order, or as may be modified by the Executive Officer. COCs must be determined based on the character of the wastes and leachate in each SWMU. The COCs for each SWMU must also be validated in a technical report, acceptable to the Executive Officer, to be submitted once every five years.

COMPLIANCE DATE: March 1, 2003, then every five years thereafter

4. **Financial Assurance:** The Discharger shall obtain and maintain a Financial Assurance Instrument, acceptable to the Executive Officer, until the end of the Post-Closure Maintenance Period for each waste management unit subject to 27CCR, Chapter 6, Subdivision 1, Division 2, and Chapter 15, Section 2550.0. The Discharger shall submit a report every five years that either validates the Instrument's ongoing viability or proposes and substantiates any needed changes (e.g., a documented increase in the monitoring systems' ability to provide reliable early detection of a release can cause a decrease in the Instrument's financial coverage). For the purposes of planning the amount of the fund, the Discharger shall assume a post-closure period of at least 30 years. However, the post-closure maintenance period shall extend as long as the wastes pose a threat to water quality.

COMPLIANCE DATE: August 31, 2002, then every five years thereafter

5. **Report of Waste Discharge:** The Discharger shall submit a technical report, acceptable to the Executive Officer, describing any proposed material change in the character, location, or volume of a discharge, or in the event of a proposed change in site use or development [CWC Section 13260(c)]. A material change includes, but is not limited to, the following:
 - a. Addition of a major industrial waste discharge to discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the waste
 - b. Significant change in disposal method, e.g., change from a land disposal to a direct discharge to water, or change in the method of treatment which would significantly alter the characteristics of the waste
 - c. Significant change in the disposal area, e.g., moving the discharge to another drainage area, to a different water body, or to a disposal area significantly removed from the original area potentially causing different water quality or nuisance problems
 - d. Increase in flow beyond that specified in the waste discharge requirements.
 - e. Increase in area or depth to be used for solid waste disposal beyond that specified in the waste discharge requirements

The technical report shall describe the project, identify key changes to the design that may impact waste management units, and specify components of the design necessary to maintain integrity of waste management unit covers and prevent water quality impacts. No material changes to the site shall be made without approval by the Executive Officer.

COMPLIANCE DATE: 120 days prior to any material change

6. **Stormwater Control Plans:** For each proposed development greater than 5 acres in size, the Discharger shall submit a Notice of Intent to the State Water Resources Control Board, submit a Storm Water Pollution Prevention Plan acceptable to the Executive Officer, and implement Best Management Practices (BMPs) for the control of stormwater, in accordance with requirements specified in the State Water Resources Control Board General Permit for Storm Water Discharges Associated with Construction Activities (NPDES Permit No. CAS000002).

COMPLIANCE DATE: 30 days prior to construction

7. **Availability:** A copy of these waste discharge requirements shall be maintained at the discharge facility and be available at all times to operating personnel. [CWC Section 132631]
8. **Change In Ownership:** The Discharger must notify the Executive Officer, in writing at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage to a new Discharger. The notice must include a written agreement between the existing and new Discharger containing a specific date for the transfer of this Order's responsibility and coverage between the current Discharger and the new Discharger. This agreement shall include an acknowledgment that the existing Discharger is liable for violations up to the transfer date and that the new Discharger is liable from the transfer date on. [CWC Sections 13267 and 13263]
9. **Revision:** These waste discharge requirements are subject to review and revision by the Regional Board. [CCR Section 13263]
10. **Termination:** Where the Discharger becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information in a Report of Waste Discharge or in any report to the Regional Board, it shall promptly submit such facts or information. [CWC Sections 13260 and 13267]
11. **Vested Rights:** This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, do not protect the Discharger from his liability under Federal, State or local laws, nor do they create a vested right for the Discharger to continue the waste discharge. [CWC Section 13263(g)]
12. **Severability:** Provisions of these waste discharge requirements are severable. If any provisions of these requirements are found invalid, the remainder of these requirements shall not be affected.
13. **Operation and Maintenance:** The Discharger shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Discharger to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of

backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Order. [CWC Section 13263(f)]

14. **Reporting of Hazardous Substance Release:** If any hazardous substance is discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, the Discharger shall report such discharge to the Regional Board by calling (510) 286-1255 during regular office hours (Monday through Friday, 8:00 to 5:00). A written report shall be filed with the Regional Board within five working days. The report shall describe: the nature of the hazardous substance, estimated quantity involved, duration of incident, cause of release, estimated size of affected area, nature of effect, corrective actions taken or planned, schedule of corrective actions planned, and persons/agencies notified.
15. **Entry and Inspection:** The Discharger shall allow the Regional Board, or an authorized representative upon the presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the Discharger's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
 - d. Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at any location. [CWC Section 13267]
16. **Monitoring Devices:** All monitoring instruments and devices used by the Discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy. All flow measurement devices shall be calibrated at least once per year, or more frequently, to ensure continued accuracy of the devices. Annually, the Discharger shall submit to the Executive Officer a written statement signed by a registered professional engineer certifying that all flow measurement devices have been calibrated and will reliably achieve the accuracy required.
17. **Analytical Methods:** Unless otherwise permitted by the Regional Board Executive officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. The Regional Board Executive Officer may allow use of an uncertified laboratory under exceptional circumstances, such as when the closest laboratory to the monitoring location is outside the State boundaries and therefore not subject to certification. All analyses shall be required to be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants" [40 CFR Part 136] promulgated by the U.S. Environmental Protection Agency. [CCR Title 23, Section 2230]
18. **Discharges To Navigable Waters:** Any person discharging or proposing to discharge to navigable waters from a point source (except for discharge of dredged or fill material subject to Section 404 of the Clean Water Act and discharge subject to a general NPDES permit)

must file an NPDES permit application with the Regional Board. [CCR Title 2 Section 223571]

19. **Endangerment of Health or the Environment:** The Discharger shall report any noncompliance that may endanger health or the environment. Any such information shall be provided orally to the Executive officer within 24 hours from the time the Discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The following occurrences must be reported to the Executive Officer within 24 hours;
 - a. Any bypass from any portion of the treatment facility.
 - b. Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge or any other circumstances.
 - c. Any treatment plant upset that causes the effluent limitation of this Order to be exceeded. [CWC Sections 13263 and 13267]

20. **Document Distribution:** Copies of all correspondence, technical reports, and other documents pertaining to compliance with this Order shall be provided to the following agencies:
 - a. RWQCB - San Francisco Bay Region
 - b. Cal/EPA Department of Toxic Substances Control

The Executive Officer may modify this distribution list as needed.

21. **Duty to Comply:** The Discharger shall comply immediately, or as prescribed by the time schedule below, with all Prohibitions, Specifications and Provisions of this Order. All required submittals must be acceptable to the Executive Officer. The Discharger must also comply with all conditions of these waste discharge requirements. Violations may result in enforcement actions, including Regional Board Orders or court Orders requiring corrective action or imposing civil monetary liability, or in modification or revocation of these waste discharge requirements by the Regional Board. (CWC Section 13261, 13263, 13265, 13268, 13300, 13301, 13304, 13340, 13350).

22. **Requests for Technical Reports:** All technical and monitoring reports required by this Order are requested pursuant to Section 13267 of the California Water Code. Failure to submit reports in accordance with schedules established by this Order or failure to submit a report of sufficient technical quality to be acceptable to the Executive Officer may subject the Dischargers to enforcement action pursuant to Section 13268 of the California Water Code.

23. This Order supersedes WDR Order Nos. 97-123 and 98-059. Order Nos. 97-123 and 98-059 are hereby rescinded.

I, Loretta K. Barsamian, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on January 23, 2002.

Loretta K. Barsamian
Executive Officer

Attachments: Figure 1 - Site Location Map
 Figure 2 - VOC Migration Pathways
 Figure 3 - Former Outfall Pond Area
 Figure 4 - Solid Waste Management Units
 Self-Monitoring Program (Part A and Part B)

**Appendix E:
Photograph Log**

DRAFT

Site Photographs



Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 1	Date July 24, 2023		
Description: Subject property (henceforth SP) main entrance from southern extent with tenant space signage for Generon. View looking northward.			

Photo No. 2	Date July 24, 2023		
Description: View looking north of eastern boundary of SP from central portion of the property - access road leads to north Corteva property			

Site Photographs


Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 3	Date July 24, 2023		
Description: View of northern extent of the SP looking north. Gate connects to the northern Corteva property.			

Photo No. 4	Date July 24, 2023		
Description: Abandoned former Corteva reactive chemical storage building in the northeastern portion of SP. Can be demolished and graded for H Cycle.			

Site Photographs


Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 5	Date July 24, 2023		
Description: View of soil stockpile between the abandoned former Corteva reactive chemical storage buildings.			

Photo No. 6	Date July 24, 2023		
Description: View of central portion of the SP. Water tower is empty and can be removed, in background is tenant (Generon) lab facility			

Site Photographs


Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 7	Date July 24, 2023		
Description: View of vaulted PG&E transformer in east central portion of the SP, access not provided but presumed non-operational, no PCBs expected and no staining or stressed vegetation observed.			

Photo No. 8	Date July 24, 2023		
Description: Abandoned storage building, empty and not in use. Located in the eastern portion of the SP.			

Site Photographs


Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 9	Date July 24, 2023		
Description: Abandoned training/administrative building located in the central portion of the SP. Signage indicates asbestos present.			

Photo No. 10	Date July 24, 2023		
Description: Central portion of the SP, view of Generon.			

Site Photographs


Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 11	Date July 24, 2023		
Description: View of Generon in west central portion of SP.			

Photo No. 13	Date July 24, 2023		
Description: Small stockpile and overhead electric running from east to west in central portion of SP.			

Site Photographs


Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 14	Date July 24, 2023		
Description: Electrical conduit station / described as offline by SP representative in central portion of SP.			

Photo No. 15	Date July 24, 2023		
Description: View looking northwest from northwestern boundary of SP towards Kirker Creek.			

Site Photographs


Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 16	Date July 24, 2023		
Description: View of western SP boundary looking north and water, steam pipelines, in background are the Generon storage building (left) and the shared hazardous material storage warehouse (right) for Schlumberger and Generon. Photos/access not permitted detailing these areas.			

Photo No. 17	Date July 24, 2023		
Description: View of hazardous material storage for Generon & SLB in northern portion of SP. Photos and access of content and nearby were not permitted.			

Site Photographs


Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 18	Date July 24, 2023		
Description: Empty Water Tanks in southwest portion of SP			

Photo No. 19	Date July 24, 2023		
Description: Abandoned historical monitoring well and abandoned, empty water storage tanks in southwest portion of SP view SE.			

Site Photographs


Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 20	Date July 24, 2023		
Description: View of 7 water storage tanks located in southern portion of SP, all empty.			

Photo No. 21	Date July 24, 2023		
Description: View of empty storage/shipping units for hazmat (agricultural use) substances - 2-chloro-trichloromethylpyridine. All containers on-site are empty. Not used on SP but SP was treated as storage area for Corteva at this time.			

Site Photographs


Client Name: Former Corteva Property		Site Location: Pittsburg Waterfront Road APN 073-220-049-8 Pittsburg, California 94565	Project No.: 557647
Photo No. 22	Date July 24, 2023		
Description: View of railway operated by Corteva in southern portion of SP running west to east.			

Photo No. 23	Date July 24, 2023		
Description: Municipal trash/ office waste handled by Diablo Waste Services in the south central portion of the SP by Generon			

**Appendix F:
TRC Staff and Environmental Professional Qualifications/Resumes**

DRAFT



GARY LIEBERMAN, CEM

EDUCATION

B.S., Geology, Sonoma State University, 1987

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Certified Environmental Manager, Nevada (#2052), 2007

AREAS OF EXPERTISE

Mr. Lieberman, CEM has program management and technical experience in the following general areas:

- Environmental and Regulatory Compliance
- Environmental Assessments and Audits
- Site Remediation Design and Implementation
- Construction Management and Oversight
- Groundwater Remediation
- Hazardous Waste Management and Disposal
- Environmental Health and Safety

REPRESENTATIVE EXPERIENCE

Mr. Lieberman has over 34 years of experience and responsibility in environmental consulting, including five years of direct experience with the Port. His qualifications include extensive hands-on experience planning, coordinating, directing, and conducting contaminated site investigations, asbestos and lead surveys and abatement programs, and performing environmental and regulatory compliance and audits, environmental site assessments (ESAs), and re-development/Brownfields work. Mr. Lieberman's work sites have included hazardous waste, office buildings, fuel and chemical storage, agricultural, food processing, mining, and telecommunications. His clients have included real estate, petroleum and chemical companies, pharmaceutical, financial, and insurance institutions in the private sector and government agencies at the local and federal levels, including the U.S. Air Force, U.S. Coast Guard, and U.S. Army. He currently serves in the capacity of Senior Project Manager with TRC's Environmental, Construction, and Remediation Division with responsibility for project and client management.

Port of Oakland, As-Needed Environmental Services – Oakland, CA

TRC is working on the Risk Management Plan (RMP) Location 167B Soils Remediation Project. The scope includes investigative, waste profiling, remediation oversight, air monitoring, and reporting services for remediation of lead contaminated soil. The lead impacts were speculated to have been introduced to the site by the use of lead oxides historically used in paint by the ship building industry as rust inhibitors, resulting in the discharge of lead-containing substances into shallow soil (fill) at the site. The selected remedial remedy consisted of removing and disposing of soil with total lead concentrations exceeding the remediation goal at off-site disposal facilities permitted to receive the waste. TRC's initial scope included assisting the Port with in-situ waste profiling for the planned excavation of soil in an effort to delineate areas of soil for disposal as non-RCRA versus RCRA hazardous wastes. The objective was to confidently "pre-profile" soils by location and depth to facilitate direct-loading during remedial excavation activities.

City of Oakland, Public Works, On Call Environmental Services – Oakland, CA (Project Manager)

Facilitated the pick-up and disposal of universal and hazardous materials from various City of Oakland buildings and facilities. Coordinated directly with disposal contractors to pick-up wastes in a timely manner and provide documentation of pick-up and disposal to City personnel.

Environmental Health & Safety (EH&S) and Compliance Outsource Support Services, Shorenstein Realty Services, Inc. – Multiple Locations, United States (Project Manager)

Mr. Lieberman is responsible for assisting with compliance, EH&S, and acquisition and divestiture activities, as well as facilitating staff to support their nationwide building portfolio. Since 1999, he has provided EH&S, compliance and regulatory and CUPA support services for Shorenstein's owned and managed properties in San Francisco and nationwide. His services include CUPA and DTSC annual submittals, asbestos and lead-based paint surveys, indoor air quality studies, preparation of survey reports, preparation of abatement specifications, compliance air sampling, preparation of final closure letters and reports, building health and safety and regulatory audits, and emergency response for chemical spills and exposures, and a naturally occurring asbestos analysis for a redevelopment project with serpentinite fill. Additional services included development of an EH&S policy, plan, and procedures manual and facilitation of rollout to more than 600 client staff nationwide. Mr. Lieberman supports monitoring of pending regulatory developments, working with client management to communicate information throughout organization, and providing corporate EH&S functions for client's owned and managed properties nationwide.

Phase I Environmental Site Assessments, Regulatory Audits and Due Diligence, JDS Uniphase – Various Locations, United States (Project Manager)

Mr. Lieberman facilitated completion of Phase 1 ESAs, compliance audits, and environmental due diligence support services in the Bay Area, United States, Canada, Europe, and Far East. His services included a broad range of disciplines to conduct comprehensive due diligence, compliance, and EH&S assessments associated with real property mergers, acquisitions, and divestitures. Protocols were developed from nationally recognized industry standards and customized to fit the needs unique to each transaction. The services included providing JDSU with a clear understanding of the identified and potential transactional liabilities, and a cost-effective roadmap to solving the challenges. The Phase I ESAs were performed in accordance with ASTM-1527-05 and -1527-13 and the due diligence activities were often performed in quick turnaround to meet the needs of the transaction.

MKS Instruments Onsite Compliance and H&S Support – Milpitas, CA (Project Manager)

Mr. Lieberman is currently providing periodic onsite compliance and health and safety support for the facility. His responsibilities include performing periodic facility compliance checks to verify all applicable permits are in place; preparation of internal safety summary document; assisting onsite staff with determining if documentation of storage and labeling procedures in the hazardous materials waste storage areas are being followed; performing weekly inspections to document site conditions, including completing internal Hazardous Waste Storage Area and Facility Inspection Checklist sheets; assisting MKS with general regulatory coordination, permitting activities, and EH&S support, when requested; and assisting with a facility Lockout/Tagout and Machine Guarding Audit. Mr. Lieberman will assist the facility with the training of a new full-time Health and Safety and Regulatory Compliance employee when a candidate is identified.

SPECIALIZED TRAINING

- Forty-Hour OSHA and Annual Refreshers and Supervisory OSHA Health and Safety Training
- OSHA 10 Hour Construction Safety and Health and Confined Space Entry
- AHERA Building Inspector and Management Planning
- Project Manager Training

PROFESSIONAL AFFILIATIONS

Groundwater Resources Association



BRIAN W. MO

EDUCATION

B.S., Earth Science, University of California, Santa Barbara 2021

AREAS OF EXPERTISE

Mr. Brian W. Mo has technical experience in the following general areas:

- Environmental Site Assessments, Phase I & II
- Field Investigation Preparation
- Field Sampling Activities
- Well Installation/Abandonment
- Technical Writing and Reporting
- ArcGIS, QGIS, gINT

REPRESENTATIVE EXPERIENCE

Mr. Mo is a graduate of the University of California, Santa Barbara, where he received a Bachelor of Science studying geology and hydrology while conducting paleoclimate, geochemical, and structural tectonic research in Death Valley. He serves as a TRC Staff Geologist in the Concord office and is responsible for assisting with Phase I & II Environmental Site Assessments (ESAs), ongoing site investigations, field sampling, data collection and management for related reporting. Mr. Mo's fieldwork experience includes oversight of well installations, well development, well abandonment, soil logging to ASTM standards, and soil sampling. His other responsibilities include writing various reports, compiling and interpreting data, and drafting potentiometric and isoconcentration contour maps.

Rombauer Vineyards Phase I ESAs – Napa, CA (Staff Geologist: 2022 – 2023)

Mr. Mo assisted in the preparation of a Phase I ESAs for Koerner Rombauer Investments, LLC / Rombauer Vineyards, Inc. for due diligence purposes. His responsibilities included review of environmental databases and regulatory agency records, review of previous environmental reports, historical source review (i.e., aerial photographs, topographic maps), description of historical site conditions, and preparation of the written report summarizing findings.

TForce Phase II ESAs – Various Locations, NV, CA (Staff Geologist: 2021 – 2022)

Mr. Mo assisted in the preparation of a Phase II ESAs for TForce Holdings USA, Inc. for due diligence purposes. His responsibilities included implementing remedial actions as required with coordinating removal of leaking underground storage tanks, investigative sampling, and preparation of the written report summarizing findings.

Recology Hay Road Landfill – Vacaville, CA (Staff Geologist: 2021 – Present)

Mr. Mo has served as a staff geologist overseeing the installation and destruction of monitoring wells at this site. His duties include soil logging in the field as well as associated reporting of well completion and subsequent analytical data.

GBF Landfill Groundwater and Soil Vapor Monitoring – Antioch, CA (Staff Geologist: 2021 – Present)

Mr. Mo has served as a TRC staff geologist overseeing the ongoing groundwater and soil vapor monitoring at this site. His duties comprise of coordinating sampling events, overseeing installation and destruction of monitoring wells, soil logging, drafting gINT logs, and assisting in completion of semi-annual reports.

Wilbur-Ellis Helm Soil and Groundwater – Helm, CA (Staff Geologist: 2021 – 2022)

Mr. Mo has served as a staff geologist overseeing the installation and destruction of monitoring wells at this site. His duties include coordinating soil logging in the field, conducting in-field nitrate examination, and drafting gINT logs.

SPECIALIZED TRAINING

- Initial 40-Hour OSHA HAZWOPER Training, July 2021
- 8-Hour OSHA HAZWOPER Refresher, September 2022
- Adult & Pediatric CPR, AED, FA Training, July 2021
- Leave No Trace, September 2020

PROFESSIONAL AFFILIATIONS

Geological Society of America

Association of Environmental & Engineering Geologists

LANGUAGES

- Fluent in Korean

AWARDS

- Vice Chancellor's Award for Scholarship, Leadership, and Citizenship
- Geological Society of America On To the Future
- Norris Prize for Excellence in Field Geology

**Appendix G:
Environmental Professional Statement**

DRAFT

**DEFINITION OF ENVIRONMENTAL PROFESSIONAL AND RELEVANT EXPERIENCE
THERETO PURSUANT TO 40 CFR 312**

(1) a person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases (see §312.1(c)) on, at, in, or to a property, sufficient to meet the objectives and performance factors in §312.20(e) and (f).

(2) Such a person must: (i) hold a current Professional Engineer's or Professional Geologist's license or registration from a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) and have the equivalent of 3 years of full-time relevant experience; or (ii) be licensed or certified by the federal government, a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) to perform environmental inquiries as defined in §312.21 and have the equivalent of 3 years of full-time relevant experience; or (iii) have a Baccalaureate or higher degree from an accredited institution of higher education in a discipline of engineering or science and the equivalent of 5 years of full-time relevant experience; or (iv) have the equivalent of 10 years of full-time relevant experience.

(3) An environmental professional should remain current in his or her field through participation in continuing education or other activities.

(4) The definition of environmental professional provided above does not preempt state professional licensing or registration requirements such as those for a professional geologist, engineer, or site remediation professional. Before commencing work, a person should determine the applicability of state professional licensing or registration laws to the activities to be undertaken as part of the inquiry identified in §312.21(b).

(5) A person who does not qualify as an environmental professional under the foregoing definition may assist in the conduct of all appropriate inquiries in accordance with this part if such person is under the supervision or responsible charge of a person meeting the definition of an environmental professional provided above when conducting such activities.

Relevant experience, as used in the definition of environmental professional in this section, means: participation in the performance of all appropriate inquiries investigations, environmental site assessments, or other site investigations that may include environmental analyses, investigations, and remediation which involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases (see §312.1(c)) to the subject property. TRC personnel resume(s) are included in **Appendix F**.

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in §312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Signature of
Environmental
Professional: _____

Date: _____

Appendix H: Hydrology & Water Quality Technical Study



Hydrology & Water Quality Technical Study

June 2, 2023

HC (Contra Costa)

Prepared For:

HC (Contra Costa), LLC
1320 Willow Pass Road, Suite 600
Concord, CA 94520

Prepared By:

TRC
1850 Gateway Boulevard
Suite 1000
Concord, California, 94520

Prepared by: Lee Hovey, EIT

Reviewed and Approved by:



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TABLES

Table 1 Recycled Water Quality Data, Calendar Year 2020,
Delta Diablo Sanitation District

FIGURES

Figure 1 Project Overview Map
Figure 2 NWI and NHD Map

APPENDICES

Appendix A FEMA Flood Insurance Rate Map

1.0 Introduction

At the request of HC (Contra Costa), TRC has prepared this report to address the hydrology and water quality sections required as a portion of the California Environmental Quality Act (CEQA; Public Resource Code Section 21000 et. seq.) environmental impact report (EIR) for the proposed renewable hydrogen production facility (Project) in Pittsburg, California. The purpose of this report is to describe the existing environment and assess the potential impacts to hydrology and water quality associated with the Project in accordance with CEQA requirements.

1.1 Project Location

The Project is located in a predominantly industrial area south of Suisun Bay in Pittsburg, California (Figure 1). Surrounding land use includes undeveloped industrial land to the east of the Project Area, developed industrial areas to the north and west, and developed commercial areas to the south. The Project Area is in Section 3, Township 2 North, Range 1 East, and elevations for the proposed Project Area range from 20 to 30 feet above mean sea level (MSL). Most of the Project Area is lightly to moderately developed, but currently unoccupied, with impervious surfaces present in the form of gravel roads, asphalt, and remnant concrete pads. Two abandoned water storage tanks are also present.

1.2 Project Description

The proposed project is to construct and operate a renewable hydrogen production facility to convert waste organic feedstock into carbon-negative renewable hydrogen. The process for generating renewable hydrogen includes accepting and screening waste organic feedstock for conversion; feeding the engineered municipal solid waste (EMSW) feedstock into the Omni Conversion Technologies (Omni CT) waste conversion unit and introducing steam, oxygen, and a limited amount of natural gas to produce synthetic gas (syngas); additional processing steps to prepare/clean syngas for hydrogen production; and syngas compression and a sour-gas-shift reaction to produce hydrogen-rich gas, which undergoes further purification and compression before distribution via tube-trailers. A byproduct of the renewable hydrogen process is the production of non-hazardous vitrified slag.

Under normal operations the facility will require up to 350 gallons per minute (gpm) for operations and produce two different wastewater streams: 1) process wastewater, and 2) cooling tower blowdown. Process wastewater will be treated on site and mixed with the blowdown stream to meet appropriate discharge limits before being sent to Delta Diablo Sanitation District's (DDSD) wastewater treatment plant (WWTP), adjacent to the Project Area, for disposal at a maximum discharge rate of 130 gpm. Most of the facility's water needs may be supplied from recycled or reclaimed water sources, which are currently being evaluated, or directly from the Contra Costa Water District (CCWD) or the City of Pittsburg.

2.0 Regulatory Framework

2.1 Federal Regulations and Policy

National Flood Insurance Program

The National Flood Insurance Program is managed by the Federal Emergency Management Agency (FEMA) and provides flood insurance to property owners, renters, and businesses. The Program works with communities required to adopt and enforce floodplain management regulations that help mitigate flooding effects.

Clean Water Act

The Clean Water Act (33 USC §1251 et seq.) regulates discharges of pollutants into the waters of the United States as well as quality standards for surface waters. Under the Clean Water Act, the United States Environmental Protection Agency (U.S. EPA) has implemented pollution control programs, such as setting wastewater standards for industry. U.S. EPA has also developed national water quality criteria recommendations for pollutants in surface waters. Section 303(d) of the Clean Water Act authorizes the U.S. EPA to assist states in listing impaired waters and developing Total Maximum Daily Loads (TMDLs) for these waterbodies. A TMDL establishes the maximum amount of a pollutant allowed in a waterbody and serves as the starting point or planning tool for restoring water quality. The San Francisco Bay Regional Water Quality Control Board (SFRWQCB) has classified the San Francisco Bay and many of its tributaries as impaired for various water quality constituents, as required by the Clean Water Act.

National Pollutant Discharge Elimination System

Created in 1972 by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) stormwater program specifies minimum standards for the quality of discharged waters. It requires states to establish standards specific to waterbodies and designate the types of pollutants to be regulated, including total suspended solids and oil. Under NPDES, all point sources that discharge directly into waterways are required to obtain a permit regulating their discharge. NPDES permits fall under the jurisdiction of the State Water Resources Control Board (SWRCB) or Regional Water Quality Control Boards when the discharge occurs within the 3-nautical-mile territorial limit.

NPDES also requires permits for discharges from construction activities that disturb one or more acres, and discharges from smaller sites that are part of a larger common plan of development or sale. To obtain coverage under the Construction General Permit, a project-specific Stormwater Pollution Prevention Plan (SWPPP) must be prepared to minimize impacts from discharges.

2.2 California Regulations and Policy

California Sustainable Groundwater Management Act

Encompassing multiple state Senate and House bills, the Sustainable Groundwater Management Act (SGMA) was passed in 2014 and set forth a statewide framework to help protect groundwater resources over the long-term. SGMA requires local agencies to form groundwater sustainability agencies (GSAs) for the high and medium priority basins. GSAs are responsible for developing and implementing groundwater sustainability plans.

California Water Code

The Porter-Cologne Act (California Water Code, Division 7, §13000-16104) is the principal law governing water quality regulation in California. It establishes a comprehensive program to protect water quality and the beneficial uses of water. The Porter-Cologne Act applies to surface waters, wetlands, and groundwater and to both point and nonpoint sources of pollution.

California Water Code section 13142.5 provides marine water quality policies stating that wastewater discharges shall be treated to protect present and future beneficial uses, and, where feasible, to restore past beneficial uses of the receiving waters. The highest priority is given to improving or eliminating discharges that adversely affect wetlands, estuaries, and other biologically sensitive sites; areas important for water contact sports; areas that produce shellfish for human consumption; and ocean areas subject to massive waste discharge.

California Water Code section 13170.2 directs the SWRCB to formulate and adopt a water quality control plan for the ocean waters of California. The SWRCB first adopted this plan, known as the California Ocean Plan, in 1972, and the most recent update of the California Ocean Plan was completed in 2019. The California Ocean Plan establishes water quality objectives for California's ocean waters, provides the basis for regulation of wastes discharged into coastal waters, and identifies applicable beneficial uses of marine waters and sets narrative and numerical water quality objectives to protect beneficial uses.

Bay Protection and Toxic Cleanup Program Legislation

In 1989, the SWRCB was required to develop sediment quality objectives (SQOs) as part of a comprehensive program to protect beneficial uses in enclosed bays and estuaries. These objectives are required for "toxic pollutants" and were identified in toxic hot spots or that were identified as pollutants of concern by the SWRCB. In 2009, the SWRCB adopted SQOs and an implementation policy for bays and estuaries in the State (Part 1). Part 1 includes narrative SQOs for the protection of aquatic life and human health, identification of the beneficial uses that these objectives are intended to protect, and requirements for program of implementation.

Antidegradation Policy (Resolution No. 68-16)

This policy requires the continued maintenance of existing high-quality waters. It provides conditions under which a change in water quality is allowable. A change must:

- Be consistent with maximum benefit to the people of the state;
- Not unreasonably affect present and anticipated beneficial uses of water; and
- Not result in water quality less than that prescribed in water quality control plans or policies.

Drinking Water Policy (Resolution No. 88-63)

This policy established that all surface and ground waters in the state are considered suitable, or potentially suitable, for municipal or domestic supply and should be designated for this use, with certain exceptions. The exceptions for groundwater are:

- The groundwater's total dissolved solids (TDS) exceed 3,000 milligrams per liter (mg/L) (5,000 microSiemens per centimeter ($\mu\text{S}/\text{cm}$), electrical conductivity), and it is not reasonably expected by the Water Boards to supply a public water system; or

- There is contamination, either by natural processes or by human activity (unrelated to the specific pollution incident), that cannot reasonably be treated for domestic use through implementation of best management practices (BMPs) or best economically achievable treatment practices; or
- The water source does not provide sufficient water to supply a single well capable of producing an average, sustained yield of 200 gallons per day; or
- The aquifer is regulated as a geothermal energy-producing source or has been exempted administratively pursuant to 40 Code of Federal Regulations (CFR), Section 146.4 for the purpose of underground injection of fluids associated with the production of hydrocarbon or geothermal energy, provided that these fluids do not constitute a hazardous waste under 40 CFR, Section 261.3.

Water Reclamation Policy (Resolution No. 77-1)

This resolution adopted in 1977 requires the State and Regional Water Boards to encourage water recycling projects for beneficial use using wastewaters that would otherwise be discharged to marine or brackish receiving waters or evaporation ponds. The resolution also specifies using recycled water to replace or supplement the use of fresh water or better water quality water, and to preserve, restore, or enhance in-stream beneficial uses, including fish, wildlife, recreation, and esthetics associated with any surface water or wetlands.

Bay and Estuaries Policy (Resolution 74-43 and 95-84)

The “Water Quality Control Policy for the Enclosed Bays and Estuaries of California” (Bays and Estuaries Policy), adopted in 1974 and amended in 1995, provides water quality principles and guidelines for the prevention of water quality degradation and the protection of beneficial uses of waters.

Thermal Plan (1975)

The “Water Quality Control Plan for the Control of Temperature in the Coastal and Interstate Waters and Enclosed Bays and Estuaries of California” (known as the Thermal Plan), adopted in 1972 and amended in 1975, specifies water quality objectives, effluent quality limits, and discharge prohibitions related to elevated temperature waste discharges to interstate waters, enclosed bays, and estuaries.

Powerplant Cooling Policy (Resolution No. 75-58)

The “Water Quality Control Policy on the Use and Disposal of Inland Waters Used for Powerplant Cooling” (Powerplant Cooling Policy), adopted in 1975, specifies the State Water Board’s position on powerplant cooling, specifying that fresh inland waters should be used for cooling only when other alternatives are environmentally undesirable or economically unsound.

2.3 Local Regulations and Policy

San Francisco Bay Basin Water Quality Control Plan 2019

The Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan; SFRWQCB Board, 2019) is the Board's master water quality control planning document. It designates beneficial uses and water quality objectives (WQOs) for waters of the State, including surface waters and groundwater. It also includes programs of implementation to achieve WQOs. The Porter-Cologne Water Quality Act requires the development and periodic review of Basin Plans

that designate beneficial uses of California’s major rivers and groundwater basins and establish numerical WQOs for those waters. The 2019 version of the Basin Plan incorporating all amendments approved by the Office of Administrative Law was approved as of November 5, 2019.

Municipal Regional Stormwater NPDES Permit

In May 2022, the SFRWQCB issued the Municipal Regional Stormwater NPDES Permit (Order No. R2-2022-0018; NPDES Permit No. CAS612008) to regulate stormwater discharges from municipalities and local agencies in Alameda, Contra Costa, San Mateo and Santa Clara counties, and the cities of Fairfield, Suisun City and Vallejo.

San Francisco Bay Plan

The San Francisco Bay Plan (Bay Plan) was prepared by the San Francisco Bay Conservation and Development Commission (BCDC 2019). The two objectives of the Bay Plan are to protect the Bay as a great natural resource for the benefit of present and future generations, as well as to develop the Bay and its shoreline to their highest potential with a minimum of Bay filling. Findings and policies related to these objectives are outlined and discussed in the most recent update of the Bay Plan.

3.0 Study Area and Methods

TRC performed a desktop analysis of publicly available resources to describe and assess the existing hydrological resources for the Project Area (Figure 2). Key resources included aerial imagery provided by Google Earth; the 2019 San Francisco Bay Basin Plan; SWRCB’s GeoTracker website, and the 2018 Integrated Report for Clean Water Act Sections 305(b) and 303(d).

4.0 Existing Hydrological Resources

The Project Area is located just north of the Pittsburg-Antioch Highway, approximately two miles east of downtown Pittsburg, California and approximately 0.62 miles south of the New York Slough. The subsections below describe the existing surface water bodies and groundwater subbasins of the Project Area and the surrounding region, as well as the water quality of the existing resources in and around the Project Area.

4.1 Surface Water

The Project Area lies within the Kirker Creek watershed, which covers approximately 33 square miles in eastern Contra Costa County. The watershed is part of the larger San Francisco Bay watershed and drains the northern foothills of Mt. Diablo and portions of the City of Pittsburg and the City of Antioch. The watershed includes suburban development, range land in the foothills of Mt. Diablo, and highly urbanized and industrial areas in the coastal wetland areas (SFRWQCB, 2008). The surface water resources of the Kirker Creek watershed include both perennial and intermittent streams, many of which are channelized or engineered, that drain into Suisun Bay via Kirker Creek and the New York Slough.

San Francisco Bay

The San Francisco Bay encompasses approximately 1,600 square miles, and its estuary system is the terminus for approximately 40 percent of California watersheds, including the Sacramento and San Joaquin Rivers of the Central Valley. Some freshwater flows through the Delta and into the Bay, but much is diverted from the Bay for agricultural, residential, and industrial purposes, as well as delivery to other cities in southern California as part of state and federal water projects (ABAG 2017). Interactions between Delta outflow and Pacific Ocean tides determine how far saltwater intrudes into the Delta. Therefore, the salinity of the water can vary widely depending on the volume of freshwater runoff, which depends on factors such as precipitation, reservoir releases and upstream diversions (ABAG 2017).

The San Francisco Bay is in a highly industrialized area and has a history of human impacts from both regulated point sources and nonpoint-source runoff, which can carry pollutants, including heavy metals, motor oil, paints, chemicals, debris, grease and/or detergents to local waters. The SFRWQCB has classified the San Francisco Bay and many of its tributaries as impaired for various water quality constituents, as required under Section 303(d) of the Clean Water Act. The San Francisco Bay is identified as impaired for multiple contaminants, including mercury, polychlorinated biphenyls (PCBs), selenium, various pesticides, and other pollutants (SWRCB, 2021).

Suisun Bay

Suisun Bay is a complex estuary of the greater San Francisco Bay and is located approximately 0.62 miles north of the Project Area. Fresh water from the Sacramento, San Joaquin, and Napa rivers discharge to Suisun Bay before flowing out to the Pacific Ocean through the central portion of the San Francisco Bay. The water quality of Suisun Bay is affected by nutrient loading, sedimentation, and contamination, including pesticides, metals, and polycyclic aromatic hydrocarbons (PAHs) from urban, industrial, and agricultural runoff. Suisun Bay has been identified in the 2018 California Integrated Report as an impaired water body for several pollutants under Section 303(d) of the Clean Water Act, including furans, PCBs, and dioxins (SWRCB, 2021).

Existing beneficial uses identified for Suisun Bay in the San Francisco Bay Basin Plan include Industrial Service Supply¹, Industrial Process Supply², Commercial and Sport Fishing, Estuarine Habitat, Fish Migration, Preservation of Rare and Endangered Species, Fish Spawning, Wildlife Habitat, Contact and Non-Contact Recreation, and Navigation. The existing beneficial uses identified for New York Slough include Commercial and Sport Fishing, Estuarine Habitat, Fish Migration, Preservation of Rare and Endangered Species, Contact and Non-Contact Recreation, and Navigation (SFRWQCB, 2019).

¹ Uses of water for industrial activities that do not depend primarily on water quality, e.g., cooling water, fire protection, etc.

² Uses of water for industrial activities that depend primarily on water quality.

Kirker Creek

Kirker Creek, which historically flowed immediately east of the proposed Project Area into Dowest Slough, has been channelized and diverted to the east along the Pittsburg-Antioch Highway on the south side of the Project Area. The historic Kirker Creek channel still exists on the east side of the Project Area and drains into the southern reaches of Dowest Slough. Based on site photographs taken for the wetland delineation study, the historic Kirker Creek channel is typically dry but likely flows intermittently during precipitation events (TRC, 2022).

Kirker Creek has been identified in the 2018 California Integrated Report as an impaired water body for several pollutants under Section 303(d) of the Clean Water Act, including toxicity and pyrethroids. These pollutants are likely a result of urban, industrial, and agricultural runoff (SWRCB, 2021). Existing beneficial uses for Kirker Creek include Preservation of Rare and Endangered Species, Warm Water Habitat, Wildlife Habitat, and Contact and Non-Contact Recreation (SFRWQCB, 2019).

4.2 Groundwater

The Project Area is underlain by the Pittsburg Plain Groundwater Subbasin (Basin), within the greater San Francisco Bay Basin. The Pittsburg Plain Subbasin is bounded by Suisun Bay on the north, the Tracy basin on the east, and the Clayton basin on the west. The southern boundary extends inland from the Suisun Bay one to three miles (DWR, 2003). The existing and potential beneficial uses for the Basin include Municipal and Domestic Water Supply, Industrial Process Water Supply, Industrial Service Water Supply, and Agricultural Water Supply (SFRWQCB, 2003).

The aquifer system of the Pittsburg Plain Subbasin is formed by a transitional depositional environment between the Coast Range and Great Valley physiographic provinces. Sediments are derived from alluvial outwash from the Coast Range hills south of the Project Area and from the fluvial influence of the Sacramento-San Joaquin River system, which joins Suisun Bay north of the Project Area. This transitional setting is reflected in the interbedded, fine- and coarse-grained sediments of the Pittsburg Plain. Groundwater recharge is derived primarily from streambed percolation and the New York Slough, and the direction of the groundwater gradient is generally north towards New York Slough.

Based on the Department of Toxic Substances Control's (DTSC) Statement of Basis for the neighboring USS-POSCO Industries (UPI) site located approximately 0.8 miles northwest of the Project Area, two primary groundwater-bearing units have been identified (DTSC, 2015a): an upper groundwater-bearing zone (upper aquifer, shallow and intermediate zones); and a deeper groundwater-bearing zone (main sand and gravel aquifer). Groundwater monitoring activities conducted in July of 2022 at the neighboring KNA California, Inc. facility, immediately west of the Project Area, indicate that groundwater is first encountered at an approximate elevation between 1 and 12 feet above mean sea level (MSL; AEC, 2022).

4.3 Water Supply

The City of Pittsburg (the City) provides potable water to residential, commercial, industrial, and institutional customers within the City limits. Its service area is approximately 15.6 square miles. The City relies on surface water provided by CCWD and groundwater from two groundwater

wells. CCWD maintains intakes in the Delta as a source of its surface water supply; however, the quality of freshwater in the Delta is dependent on the operation of existing Central Valley Project/State Water Project storage reservoirs, which are impacted by changes in snowpack and upstream river conditions. Sea level rise also has the potential to render CCWD's existing Delta intake unusable due to saltwater intrusion. Groundwater and surface water from CCWD are blended at the City's water treatment plant and treated before being delivered to customers (City of Pittsburg, 2021). In 2020, the City delivered approximately 9,232 acre-feet (AF) per year of potable water, which was a 5.2 percent (%) increase from 2015 (City of Pittsburg, 2021).

Delta Diablo Sanitation District operates a recycled water system that provides treated wastewater for irrigation and other non-potable uses. The system provides up to 8,600 AF per year of tertiary treated recycled water to two power plants and 20 acres of parks and landscaped areas. Treatment includes modern primary and secondary treatment of wastewater and tertiary flocculation, filtration, and disinfection to remove bacteria and viruses. The SWRCB oversees production, conveyance, quality control, and proper use of recycled water (DDSD, 2023b). A summary of DDSD's recycled water quality is provided in Table 1.

4.4 Climate and Precipitation

The Project Area is in Pittsburg, California, which has a Mediterranean climate characterized by mild, wet winters and hot, dry summers. The average annual rainfall for Pittsburg is 13.2 inches, most of which falls between November and April. The average summer temperatures range from highs in the upper 90s Fahrenheit (F) to lows in the mid 50s F. Winter temperatures range from the 60s F to the low 30s F (City of Pittsburg, 2021). Overnight lows rarely drop below freezing (32 F) due to the modulating effect of the Suisun Bay and the Delta.

In the San Francisco Bay Area, sea level rise due to climate change is expected to result in higher tides and more frequent flooding, particularly during storm events. According to a report by the San Francisco Estuary Institute, sea level rise could cause flooding and erosion in many areas of Suisun Bay and exacerbate existing environmental problems in the bay, such as habitat loss, erosion, and water quality issues, particularly saltwater intrusion. In Suisun Bay, sea level rise is projected to be particularly significant due to its shallow depth and the surrounding low-lying topography.

5.0 Discussion

This section includes a discussion of the Project's potential impacts to hydrology and water quality as presented in the CEQA Checklist.

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?

The Project Area is west of the historic channel of Kirker Creek, which likely flows intermittently during precipitation events and discharges to the New York Slough via Dowest Slough. Both Kirker Creek and Suisun Bay are considered Section 303(d) impaired waterbodies, but have existing beneficial uses including Wildlife Habitat, Preservation of Rare and Endangered Species, and Contact and Non-Contact Recreations.

The Project has the potential to impact surface water quality during construction and during operation. Construction activities may result in increased erosion and sedimentation, which can negatively impact surface water quality by increasing turbidity and reducing water clarity. This would be addressed by implementing effective erosion and sediment control measures, such as silt fences, sediment basins, and vegetative buffers. Wastewater from the proposed project would be treated to meet appropriate discharge limits, then sent to DDSD wastewater treatment facility for disposal. Interconnection for wastewater sewer to the DDSD system would mitigate potential impacts from wastewater discharges.

Accidental spills or leaks of hazardous materials during construction or operation could impact surface water quality. Although construction and operation of the proposed project involves the handling of hazardous materials, like natural gas, chemical additives, machine oils, and lubricants, release risk in significant quantities is limited. This risk would be minimized through proper handling and storage of materials, and by having a Spill Prevention, Control and Countermeasure Plan (SPCC) in place. The handling and storage of EMSW as feedstock, and biochar as a byproduct, has the potential to impact surface water quality, if managed poorly. However, proper management of these materials and implementation of BMPs would mitigate potential impacts to surface water quality.

b) Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

In accordance with the project description in Section 1.2, under normal operations the proposed project could require up to 350 gpm for operations that would be supplied from recycled or reclaimed water sources, or directly from the CCWD or the City of Pittsburg. The Project does not include the installation of any groundwater extraction wells for water supply purposes.

The proposed use of recycled or reclaimed water for project operations would not increase the burden on either surface water supplies and groundwater supplies within the Bay-Delta system and the Pittsburg Plain aquifer system, respectively. DDSD currently operates a recycled water system that provides up to 8,600 AF per year, or approximately 5,332 gpm, of treated wastewater for irrigation and other non-potable uses (DDSD, 2023b); an additional 350 gpm equates to about a 6.5% increase in water supply. If recycled or reclaimed water is unavailable, it is unclear whether the City of Pittsburg has capacity to provide 350 gpm for operations. In 2020, the City provided 9,232 AF per year, or approximately 5,720 gpm, of potable water to its customers, an additional 350 gpm equates to about 6% increase in potable water supply. Some potable water would need to be provided by the City of Pittsburg for domestic use, but the amount would be negligible and is not expected to impact potable water supplies in the area. Further analysis of operation water supplies is ongoing to ensure minimal impacts to groundwater supplies.

The Project would alter surface conditions in the Project Area, which are currently comprised of vacant land, gravel access roads, asphalt, two existing water storage tanks, and miscellaneous abandoned concrete pads. New structures, paved parking areas and access roads would lead to less permeable surface conditions that may affect groundwater recharge. However, as previously noted, groundwater recharge in this area is primarily derived from streambed

percolation and the New York Slough. Therefore, the proposed projects is not anticipated to have a significant effect on overall groundwater levels in the Pittsburg Plain subbasin.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would:

i. Result in substantial erosion or siltation on- or offsite?

Kirker Creek was diverted south of the Project Area where it now flows east along the Pittsburg-Antioch Highway before turning north and discharging to the New York Slough. The historic Kirker Creek channel, which likely runs intermittently, is located just east of the Project Area and discharges to the New York Slough via Dowest Slough.

Based on the Project boundaries shown on Figure 2, the proposed primary access road runs west from Arcy Lane parallel to the diversion channel for Kirker Creek and crosses the historic stream bed of Kirker Creek south of the Project Area. An appropriately sized culvert would be installed under the primary access road to maintain flow. Based on these preliminary plans, the Project could slightly alter the existing drainage pattern of the site, but it is not anticipated that its construction or operation of the proposed project would result in substantial erosion of siltation on- or offsite.

ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?

The low-lying land around the historic Kirker Creek channel is a flood plain and considered a Special Flood Hazard Area according to FEMA Flood Insurance Rate Map for Contra Costa County (Appendix A). The Project would increase impervious surfaces at the site and result in increased surface runoff. However, based on the preliminary information available, the Project would be designed to avoid changes to the existing drainage pattern and reduce risk from overflow. Additionally, the Project would be designed in compliance with the required codes and standards to minimize the potential for structure damage and safety risks as a result of flooding. Further analysis may be appropriate to assess the increased volume of surface water runoff based on the proposed footprint of the Project, the available drainage capacity of the historic Kirker Creek channel and flood plain, and the effect of downstream constrictions, e.g., culverts.

iii. Create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

If managed poorly, the handling and storage of waste organic materials as feedstock and biochar as byproduct may be sources of polluted runoff. Other hazardous materials stored on site for operations, such as fuels, oils, and other chemicals may provide additional sources of polluted runoff if spills or leaks occur. The storm water management system would be designed to minimize contact with stored materials. A SPCC Plan and a Storm Water Pollution Prevention Plan (SWPPP) would be implemented to prevent or minimize the discharge of oil and other pollutants in

stormwater runoff. Additionally, a Hazardous Materials Management Plan (HMMP) describing hazardous material use, transport, management and disposal protocols would be prepared prior to the start of construction.

iv. *Impede or redirect flood flows?*

Kirker Creek has already been diverted south of the Project Area; however, the historic stream channel likely flows intermittently during precipitation events. The layout of the primary access road crosses historic channel of Kirker Creek south of the Project Area. An appropriately sized culvert would need be installed under the primary access road to not impede or redirect flow.

d) *In flood hazard, tsunami, or seiche risk zones, would the project risk release of pollutants due to project inundation?*

FEMA has produced Flood Insurance Rate Maps (FIRMs) that show existing Special Flood Hazard Areas (SFHAs). Based on the FIRM provided in Appendix A, both Kirker Creek to the south and historic Kirker Creek to the east of the Project Area are designated as Zone AE. Flood zone AE is considered a SFHA, which means that there is at least a 1% chance of annual flooding in that area. This is also commonly referred to as the "100-year floodplain" because there is a 1% chance of a flood of that magnitude occurring in any given year. FEMA Zone AE is different from Zone A in that it takes into account additional factors that can contribute to flood risk, such as wave action, storm surge, and coastal erosion.

The Project Area itself is located west of the historic Kirker Creek and designated as FEMA Zone X, which is not considered a SFHA because the risk of flooding is lower, generally less than 0.2% chance of annual flooding. Because the Project Area is not in an existing flood hazard area the proposed Project is not anticipated to risk release of pollutants due to project inundation.

e) *Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?*

The Project Area within Contra Costa County is within the limits of San Francisco Bay Basin managed by the SFRWQCB's Basin Plan (SFRWQCB, 2019). The Basin Plan is the master policy document that contains descriptions of the legal, technical, and programmatic bases of water quality regulation in the region. State policy for water quality control in California is directed toward achieving the highest water quality consistent with maximum benefit to the people of the state, and the beneficial uses identified in the Basin Plan for surface waters, groundwaters, marshes, and wetlands serve as a basis for establishing water quality objectives and discharge prohibitions to attain these goals.

The beneficial uses identified for Kirker Creek and the New York Slough include Warm Water Habitat, Wildlife Habitat, Commercial and Sport Fishing, Estuarine Habitat, Fish Migration, Preservation of Rare and Endangered Species, Contact and Non-Contact Recreation, and Navigation. Chapter 3 of the Basin Plan identifies the water quality objectives for surface waters and groundwater, including numerical water quality objectives for select toxic pollutants.

Based on the project description provided in Section 1.2 above, process wastewater will be treated on site and mixed with the blowdown stream to meet appropriate discharge limits before being sent to DDSD's WWTP for disposal and will not be discharged to surface waters under a NPDES permit.

6.0 References

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SFRWQCB. 2019. San Francisco Bay Basin (Region 2) Water Quality Control Plan (Basin Plan). November 2019.

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TABLES

Table 1
Recycled Water Quality Data, Calendar Year 2020
Delta Diablo Sanitation District

Constituent	Unit	Average	Range
pH	standard unit	7.4	7.2 - 7.6
Alkalinity (as CaCO ₃)	mg/L	238	220 - 250
Total Hardness (as CaCO ₃)	mg/L	185	150 - 200
Calcium	mg/L	38	31 - 46
Magnesium	mg/L	23	18 - 24
Manganese	ug/L	53	42 - 64
Potassium	mg/L	17	16 - 19
Sodium	mg/L	163	140 - 190
Conductivity	µmhos/cm	1516	1414 - 1664
Total Dissolved Solids	mg/L	724	670 - 790
Chloride	mg/L	198	120 - 289
Sulfate	mg/L	196	170 - 240
Silica (as SiO ₂)	mg/L	17	15 - 20
Total Nitrogen	mg/L	48	42 - 53
Total Kjeldahl Nitrogen	mg/L	47	41 - 52
Ammonia	mg/L	41	36 - 47
Nitrate (as N)	mg/L	2.07	0.83 - 7.10
Nitrite (as N)	mg/L	1.63	0.03 - 6.70
Phosphate	mg/L	0.18	0.03 - 0.88
Total Coliform Bacteria	MPN	1.4	<1 - 37.3
Turbidity	NTU	0.71	0.26 - 1.28

Abbreviations:

mg/L = milligrams per liter

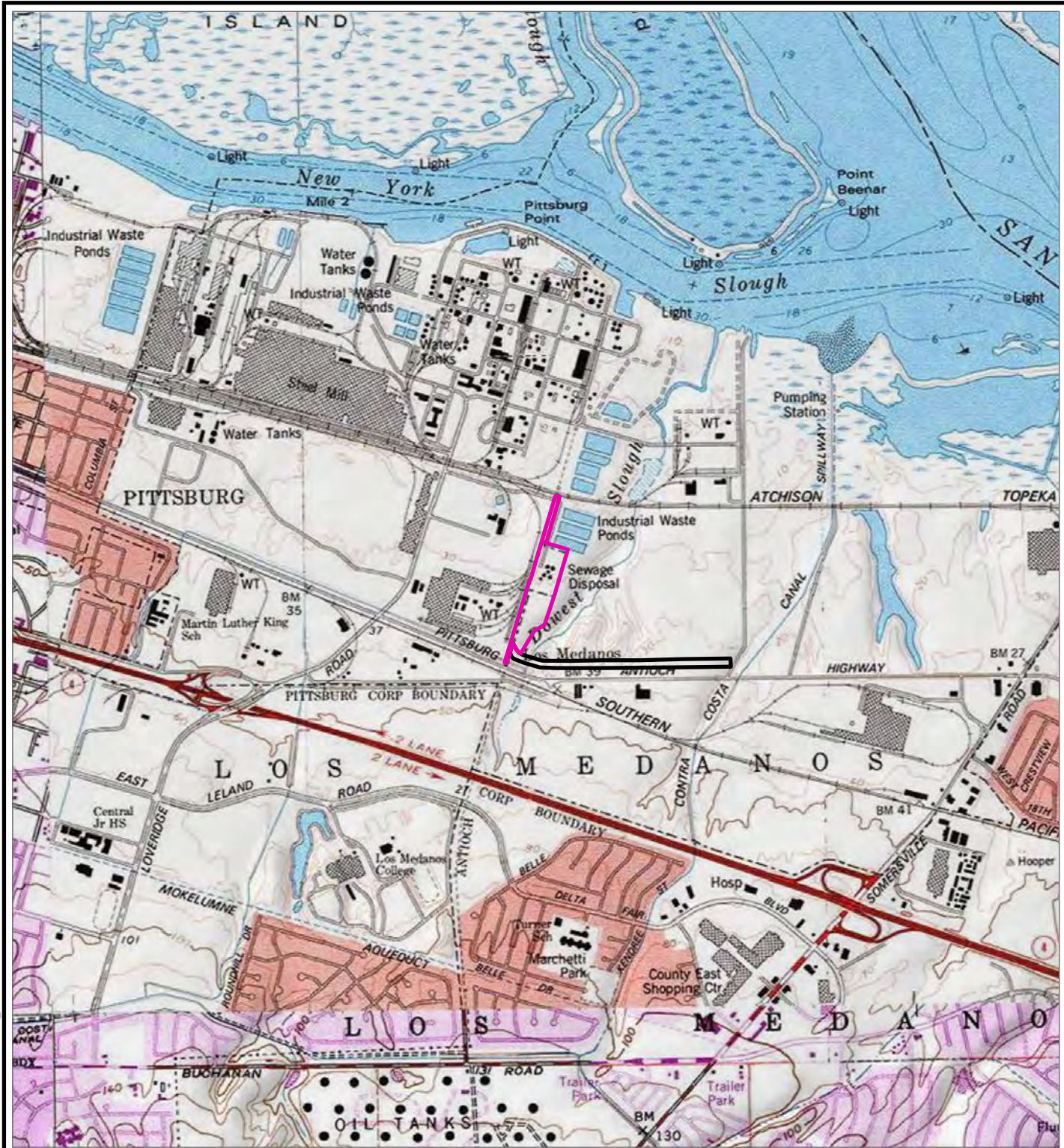
µmhos = microhms per centimeter µg/L = micrograms per liter

MPN = most probable number

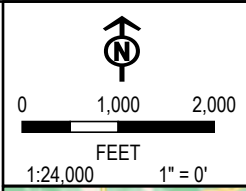
NTU = Nephelometric Turbidity Units

FIGURES

COORDINATE SYSTEM: NAD 1983 UTM ZONE 10N; MAP ROTATION: 0
 - SAVED BY: RBLAKE ON 5/31/2023, 15:57:49 PM; FILE PATH: T:\1-PROJECTS\H-CYCLE\48-082_PITTSBURG\2-APRXPITTSBURG RECORD SEARCH\APPX - LAYOUT NAME: FIG 1 PROJECT OVERVIEW MAP WATER QUALITY



- PROJECT SITE
- PRIMARY ACCESS ROAD










PROJECT:		H CYCLE RENEWABLE HYDROGEN PRODUCTION PROJECT	
TITLE:		PROJECT OVERVIEW MAP	
DRAWN BY:	R. BLAKE	PROJ. NO.:	482082
CHECKED BY:	A. ARFMAN	FIGURE 1	
APPROVED BY:	E. BERGQUIST		
DATE:	MAY 2023		
		TRC SOLUTIONS, INC 1850 GATEWAY BLVD, SUITE 1000 CONCORD, CA 94520	
FILE:	PITTSBURG RECORD SEARCH		


BASE MAP: USGS COLOR ORTHO IMAGERY
 DATA SOURCES: TRC


COORDINATE SYSTEM: NAD 1983 UTM ZONE 10N; MAP ROTATION: 0
 -- SAVED BY: RBLAKE ON 5/31/2023, 15:57:49 PM; FILE PATH: T:\1-PROJECTS\H-CYCLE\48-0082_PITTSBURG\2-APRX\PITTSBURG RECORD SEARCH\APRX; LAYOUT NAME: FIG 2 NWI AND NHD MAP WATER QUALITY




	Project Site
	Primary Access Road
	NWI
	Connector
	Canal/Ditch
	Stream/River
	Artificial Path

BASE MAP: USGS COLOR ORTHO IMAGERY
 DATA SOURCES: TRC


 0 300 600
 FEET
 1:9,600 1" = 800'



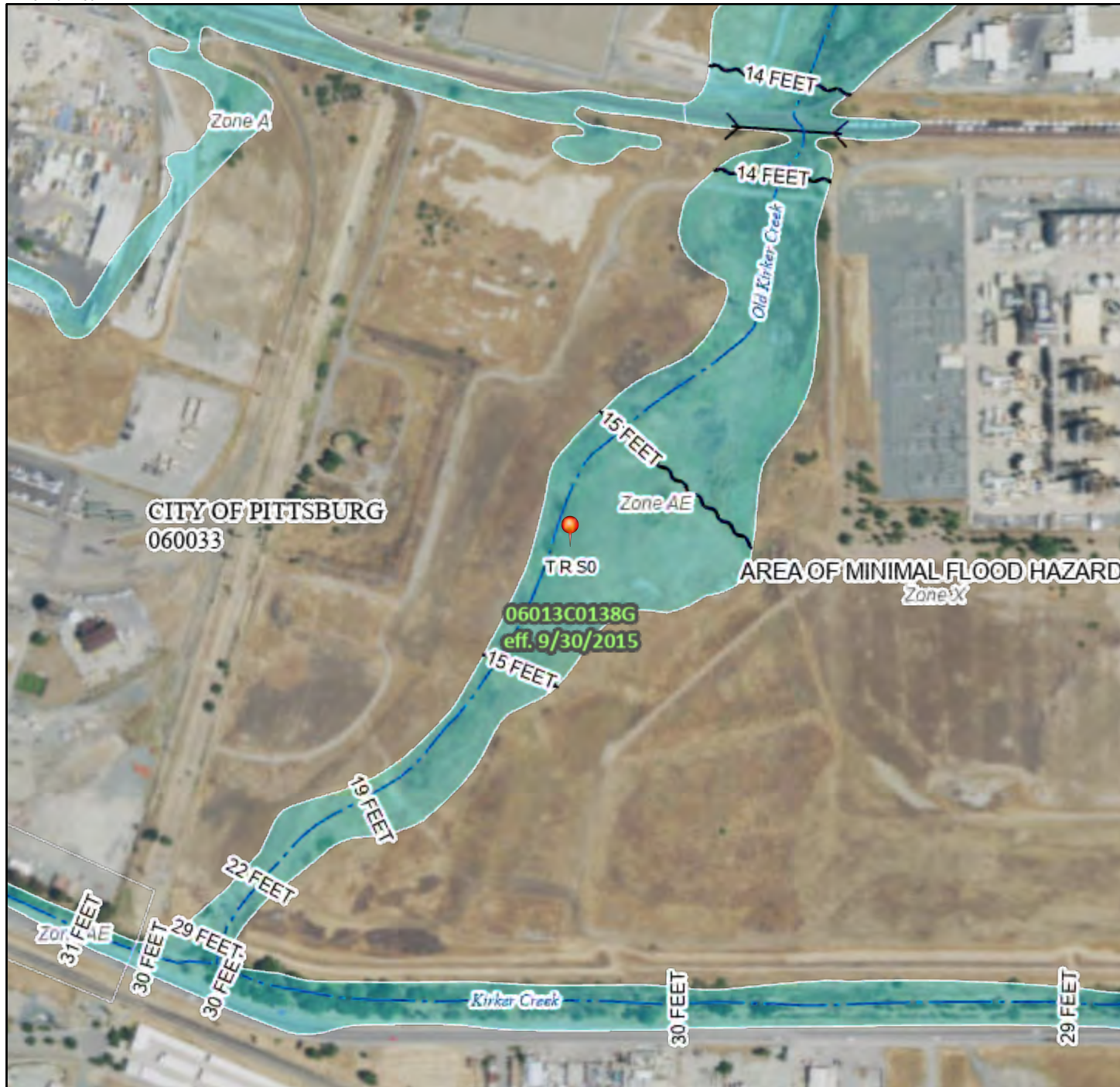
PROJECT:		H CYCLE RENEWABLE HYDROGEN PRODUCTION PROJECT	
TITLE:		NWI AND NHD MAP	
DRAWN BY:	R. BLAKE	PROJ. NO.:	482082
CHECKED BY:	A. ARFMAN	FIGURE 2	
APPROVED BY:	E. BERGQUIST		
DATE:	MAY 2023		
		TRC SOLUTIONS, INC 1850 GATEWAY BLVD, SUITE 1000 CONCORD, CA 94520	
FILE:		PITTSBURG RECORD SEARCH	

APPENDIX A: FEMA Flood Insurance Rate Map

National Flood Hazard Layer FIRMette



121°51'18"W 38°1'12"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000
 Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020
 121°50'41"W 38°0'44"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/10/2023 at 11:36 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix I: Noise Study Report

Noise Study Report H Cycle Pittsburg Renewable Hydrogen Project

Pittsburg, CA

November 2023

Prepared For:

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1. Introduction

The following Noise Study Report has been prepared by TRC for the H Cycle Renewable Hydrogen Project proposed by HC (Contra Costa) in Pittsburg, California. Although there are no state, county, or local noise ordinance limits applicable to the facility, the results of the Noise Study presented herein demonstrate that the predicted sound levels during the construction and operation of the facility will be well below the level deemed acceptable for an industrial land use in the State of California and the City of Pittsburg, and that the facility will not cause a perceptible increase in the sound levels at any nearby noise sensitive areas during construction or operation.

1.1 Proposed Facilities

H Cycle is proposing a renewable hydrogen facility in northeastern Pittsburg, CA. The proposed facility location is an approximately 12-acre site in a General Industrial zone on a former Dow Chemical property now operated by Corteva Agrisciences. The site is bounded by a railroad easement to the south, industrial properties to the west, additional industrial property and the San Joaquin River beyond to the north, and vacant land to the east. The facility will include a variety of sound-producing equipment, including pumps, dryers, compressors, cooling fans, generators, and a ground flare system. During construction, an additional 12 acres will be used as construction laydown yards.

2. Concepts of Environmental Sound

Sounds are generated by a variety of sources (e.g., a musical instrument, a voice speaking, or an airplane that passes overhead). Energy is required to produce sound and this sound energy is transmitted through the air in the form of sound waves – tiny, quick oscillations of pressure just above and just below atmospheric pressure. These oscillations, or sound pressures, impinge on the ear, creating the sound we hear. The range of sound pressures that can be detected by a person with normal hearing is very wide, ranging from about 20 micro-pascals (μPa) for very faint sounds at the threshold of hearing to nearly 10 million μPa for extremely loud sounds, such as a jet during take-off at a distance of 300 feet. Because the range of human hearing is so wide, sound levels are reported using “sound pressure levels”, which are expressed in terms of decibels. The sound pressure level in decibels is the logarithm of the ratio of the sound pressure of the source to the reference sound pressure of 20 μPa , multiplied by 20.

Table 2.1 provides some examples of common sources of sound and their sound pressure levels. All sound levels in this assessment are provided in A-weighted decibels, abbreviated “dB(A)” or “dBA.” The A-weighted sound level reflects how the human ear responds to sound, by deemphasizing sounds that occur in frequencies at which the human ear is least sensitive to sound (at frequencies below about 100 hertz and above 10,000 hertz) and emphasizing sounds that occur in frequencies at which the human ear is most sensitive to sound (in the mid-frequency range from about 200 to 8,000 hertz). In the context of environmental sound, noise is defined as “unwanted sound.”

Table 2.1 Examples of Common Sound Pressure Levels

Sound Level dB(A)	Common Indoor Sounds	Common Outdoor Sounds
110	Rock Band	Jet Takeoff at 1000 feet
100	Inside NYC Subway Train	Chain Saw at 3 feet
90	Food Blender at 3 feet	Impact Hammer (Hoe Ram) at 50 feet
80	Garbage Disposal at 3 feet	Diesel Truck at 50 feet
70	Vacuum Cleaner at 10 feet	Lawn Mower at 100 feet
60	Normal Speech at 3 feet	Auto (40 mph) at 100 feet
50	Dishwasher in Next Room	Busy Suburban Area at night
40	Empty Conference Room	Quiet Suburban Area at night
25	Empty Concert Hall	Rural Area at night

Sound pressure levels are typically presented in community noise assessments utilizing the noise metrics described below and expressed in terms of A-weighted decibels.

- “L₁₀” is the sound level that is exceeded for 10 percent of the time. This metric is a measure of the intrusiveness of relatively short-duration noise events that occurred during the measurement period.
- “L₅₀” is the sound level that is exceeded for 50 percent of the measurement period.
- “L₉₀” is the sound level that is exceeded for 90 percent of the time and is a measure of the background or residual sound levels in the absence of recurring noise events.
- “L_{eq}” is the is the constant sound level which would contain the same acoustic energy as the varying sound levels during the time period and is representative of the average noise exposure level for that time period.
- “L_{MAX}” is the instantaneous maximum sound level for the time period.

It is often necessary to combine the sound pressure levels from one or more sources. Because decibels are logarithmic quantities, it is not possible to simply add the values of the sound pressure levels together. For example, if two sound sources each produce 70 dB and they are operated together, their combined impact is 73 dB – not 140 dB as might be expected. Four equal 70 dB sources operating simultaneously result in a total sound pressure level of 76 dB. In fact, for every doubling of the number of equal sources, the sound pressure level goes up another three decibels. A tenfold increase in the number of sources makes the sound pressure level increase by 10 dB, while a hundredfold increase makes the level increase by 20 dB. The logarithmic combination of *n* different sound levels is calculated by the following equation:

$$L_{total} = 10 * \log_{10} \left(10^{\frac{L_1}{10}} + 10^{\frac{L_2}{10}} + \dots + 10^{\frac{L_n}{10}} \right)$$

Perceived changes in sound level can be slightly more subjective; the average person will not notice a change of 1-2 dB, a 3 dB increase is just barely perceptible, while a 5 dB change is clearly noticeable.

3. Noise Sensitive Areas

The facility is being proposed on an industrial property far removed from any noise sensitive areas (NSAs) such as residences, schools, or hospitals. Table 3.1 lists the closest NSAs and their approximate distance and direction from the proposed H Cycle facility. These locations are also shown in Figure 3, Noise Sensitive Area Locations.

Table 3.1 Closest Noise Sensitive Areas

NSA	Description	Approximate Distance from H Cycle Facility to NSA, feet	Direction to NSA
1	Hotel	7,500	SW
2	Residence	4,800	SW
3	Residence	5,000	SE
4	Church	5,000	SE

4. Short Term Ambient Sound Survey

A pre-construction ambient sound survey was completed at the proposed facility property on September 19th and 20th, 2023 to characterize the existing sound environment (i.e., background) in the project area. Short term sound level measurements were taken at the site property lines and within the gated property for approximately ten minutes at each location during multiple time periods.

The measurements were taken using a Larson Davis Model 831C sound level meter that meets the requirements of the American National Standards Institute (ANSI) Standards for Type I instruments. The sound level meter was calibrated before and after each monitoring period using a CAL200 acoustic calibrator. The microphone was positioned according to the ANSI Standard on a tripod 1.5 meters above ground. 7.5 meters from large reflecting surfaces, and at least 1.5 meters from tall trees.

Ambient sound level measurements were conducted on a weekday on a non-holiday week at 6 total measurement points and for a minimum of ten continuous minutes for each criterion. At the first two measuring points, data was collected in the morning (6 AM – 8 AM), afternoon (12 PM – 2 PM), and evening (5 PM – 7 PM). Four other points were collected within the gates of the property in the morning (8 AM-10 AM).

The following measurement criteria are provided in Tables 5.1-5.4 for each measurement location and for each measurement period:

- LA_{EQ}, LC_{EQ}, LA₁₀, LA₅₀, and LA₉₀
- Unweighted octave-band analysis (16, 31.5, 63, 125, 250, 500, 1K, 2K, 4K, 8K Hz)

The measurement points are listed below:

- MP-1: South side of property, outside gates
- MP-2: East side of property, outside gates
- MP-3: Northeast side of property.
- MP-4: Northwest side of property.
- MP-5: Center of property closer to the west.
- MP-6: Southwest side of property.

The proposed Project site layout, showing the location of the measurement points, is shown on Figure 1.

5. Short Term Sound Monitoring Results

Table 5.1 Noise Monitoring Results Summary Day 1

September 19, 2023					
Site ID	LA _{EQ}	LC _{EQ}	LA ₁₀	LA ₅₀	LA ₉₀
Morning (6 AM – 8 AM)					
MP-1	52.1	68.7	53.5	51.7	50.7
MP-2	52.1	62.1	53.1	51.9	50.7
Afternoon (12 PM – 2 PM)					
MP-1	70.1	76.0	57.2	49.6	47.9
MP-2	52.0	71.3	53.5	47.9	46.2
Evening (5PM – 7PM)					
MP-1	77.3	80.4	55.0	48.6	47.2
MP-2	55.9	69.1	53.8	47.4	45.7

Table 5.2 Noise Monitoring Results Summary Day 2

September 20, 2023					
Site ID	LA _{EQ}	LC _{EQ}	LA ₁₀	LA ₅₀	LA ₉₀
Morning (8AM – 10 AM)					
MP-3	47.4	66.2	48.1	47.1	46.5
MP-4	47.8	47.8	48.9	46.6	45.8
MP-5	48.9	61.1	50.1	48.7	48.7
MP-6	59.2	66.2	59.7	58.0	57.6

Table 5.3 Octave Band Analysis Summary Day 1

September 19, 2023										
Site ID	Octave Band Center Frequency (Hz)									
	16	31.5	63	125	250	500	1000	2000	4000	8000
Morning (6 AM – 8 AM)										
MP-1	50.6	52.7	53.8	49.4	47.4	42.6	43.8	30.3	26.3	24.9
MP-2	60.7	57.0	55.9	50.9	46.3	40.4	114.0	67.4	31.8	22.7
Afternoon (12 PM – 2 PM)										
MP-1	52.1	52.9	56.3	49.3	38.9	29.8	113.9	67.8	31.8	22.8
MP-2	80.9	77.2	75.0	65.6	59.4	57.4	113.9	67.4	31.3	22.7
Evening (5PM – 7PM)										
MP-1	51.8	51.3	48.9	56.0	47.8	43.5	114.1	67.9	31.8	23.1
MP-2	73.6	66.5	58.8	49.3	54.4	56.3	113.9	67.4	31.5	22.8

Table 5.4 Octave Band Analysis Summary Day 2

September 20, 2023										
Site ID	Octave Band Center Frequency (Hz)									
	16	31.5	63	125	250	500	1000	2000	4000	8000
Morning (8AM – 10 AM)										
MP-3	68.2	61.2	56.9	47.7	47.3	52.9	114.2	67.6	32.0	23.3
MP-4	102.5	70.9	53.5	47.3	57.0	52.7	49.3	32.2	28.3	30.9
MP-5	71.8	69.3	63.7	55.4	46.6	36.6	113.9	67.3	31.7	22.9
MP-6	58.7	50.6	49.6	51.9	52.8	50.7	114.0	67.4	31.7	22.7

Using the data measured in the short-term monitoring, a summary of the ambient noise measurements was created for each of the NSAs (Tables 5.5 and 5.6). In the table, the closest measuring point is listed for each NSA, and calculations for the daytime (Ld), nighttime (Ln), and combined day and night (Ldn) were completed.

Table 5.5 Ambient Noise Measurements Summary

NSA*	Measured Levels Period Average, dBA Leq		
	Day Ld	Night Ln	Day-Night Ldn
1	59.2	55.9	65.9
2	52.1	77.3	87.3
3	52.1	77.3	87.3
4	52.1	55.9	65.9

*Data is from the closest measuring point to each NSA

During the ambient noise measurements, staff took note of other noises that could be heard in the background. A summary of all of the background noise sources is provided in Table 5.6.

Table 5.6 Background Noise Measurements Summary

Morning (6 AM – 8 AM)	
MP-1	<ul style="list-style-type: none"> Access gate opening Trucks entering gate
MP-2	<ul style="list-style-type: none"> Truck reversing (beeping)
Afternoon (12 PM – 2 PM)	
MP-1	<ul style="list-style-type: none"> Access gate opening Trucks entering gate Train
MP-2	<ul style="list-style-type: none"> Train Horn
Evening (5 PM – 7 PM)	
MP-1	<ul style="list-style-type: none"> Train
MP-2	<ul style="list-style-type: none"> Train Train horns
Morning (8 AM – 10 AM)	
MP-3	<ul style="list-style-type: none"> Pump nearby ticking
MP-4	<ul style="list-style-type: none"> Train
MP-5	<ul style="list-style-type: none"> Alarms heard from property on the West
MP-6	<ul style="list-style-type: none"> Train Car passing

6. Construction Noise Modeling

Short-term increases in sound levels could occur during construction. Standard construction equipment will be used in the construction of the facility, with a pile driver being used during certain aspects of the construction. However, weather conditions, site conditions, specialized construction techniques, emergencies, or other atypical circumstances may necessitate nighttime work or extended work on Sundays. To be conservative in the construction noise calculations, the loudest twenty pieces of Project construction equipment was included in the noise model as operating at the same time. The highest sound levels during construction are expected during the early earthmoving phase. Equipment that may be used during this phase would include bulldozers, excavators, graders, and 35-ton offroad trucks. Based on the Project equipment usage predictions, a sound level calculation was performed using the Federal Highway Administration’s Roadway Construction Noise Model version 1.1 (FHWA, 2006).

H Cycle utilized the construction equipment listed below:

- Pile Driver
- Cranes
- Forklift s
- Excavators
- Loader/Backhoes
- Payloaders
- Graders
- Rollers
- Trucks (flatbed, dump, etc)
- Lifts

Table 6.1 summarizes the results of the construction noise modeling.

Table 6.1 Sound Level Increases During Construction

NSA	Measured Existing Ambient Sound Levels, dBA	Predicted Sound Level - Single Daytime Shift	Construction Plus Ambient	Temporary Increase in Sound Level, dB
	Day (Ld)	Day (Ld)	Day (Ld)	Day (Ld)
1	59.2	57.7	61.5	2.3
2	52.1	60.3	60.9	8.8
3	52.1	60.8	61.3	9.2
4	52.1	60.3	60.9	8.8

As shown above, the RCNM model predicts that there will be significant temporary increases in sound levels at the closest nearby NSAs during Project construction activities. Again, this model

is assuming all equipment is operating at the same time and that will be temporary and only during daytime construction hours.

7. Operational Noise Impacts

This section describes the methods, assumptions, and results of the Cadna-A® noise modeling used to predict future sound levels during operation of the proposed renewable hydrogen production facility.

7.1 Noise Model Inputs

Noise modeling was conducted to predict future sound levels at the nearby NSAs during facility operation, both with and without the gas flare in operation. The Cadna-A model was used for this purpose. An industry standard, Cadna-A was developed by DataKustik GmbH to provide an estimate of sound levels at distances from sources taking into account sound power levels from stationary and mobile sources, the effects of terrain features including relative elevations of noise sources, intervening objects including buildings and sound barrier walls, and ground effects due to pavement and unpaved ground.

The International Standards Organization current standard for outdoor sound propagation (ISO 9613 Part 2 – “Attenuation of sound during propagation outdoors”) was used within Cadna-A. This standard provides a method for calculating environmental noise in communities from a variety of sources with known emission levels. The method contained within the standard calculates the attenuation over the entire sound path under weather conditions that are favorable for sound propagation, such as for downwind propagation or “under a well-developed ground-based temperature inversion.” Application of conditions that are favorable for sound propagation yields conservative estimates of operational noise levels in the surrounding area.

The site layout and existing topography was used to create a terrain model that represents the topography during facility operation. The inputs to the model are 2-foot contours, based on United States Geographic Survey (“USGS”) 3DEP topographic data. The model conservatively assumed continuous operation of all sound sources. A search radius of 8,000 feet from each receptor was used in the model to ensure that all noise sources contributing to the predicted facility noise levels were modeled at every NSA.

Table 7.1 lists the source octave band sound power levels for the proposed equipment. Table 7.2 lists overall sound power levels for individual area and point sources modeled across the site, using the “Other Equipment” octave band profile, scaled as necessary. Separate modeling cases were considered with the gas flare active and inactive. All other equipment is assumed to be continuously operating.

Table 7.1 Equipment Octave Band Sound Power Levels

Component	Octave Band Center Frequency (Hz)									Total	
	31.5	63	125	250	500	1000	2000	4000	8000	dB	dBA
Gas Flare ¹	-	97.5	91.6	106.1	108.5	104.7	108.9	109.7	-	124.8	115.0
Other Equipment ²	-	82.5	86.0	83.8	81.1	79.4	77.4	74.5	72.5	90.5	85.0

¹Based on client provided specification of 115 dBA using typical gas flare octave band profile.

²Based on client provided specification of 85 dBA using cooling fan octave band profile.

Table 7.2 Equipment Sound Power Levels

Component	Type	Height (ft. AGL)	Total dBA
OMNI Package ¹	Area	3.28	96.0
Switchgear Yard ²	Area	3.28	74.0
BMH Package ³	Area	3.28	94.7
Hydrogen Offtake Area ⁴	Area	3.28	75.0
VPSA ⁴	Area	3.28	75.0
Dryer ⁴	Area	23.0	85.0
Sulfur Removal ⁴	Area	3.28	75.0
Cooling Tower	Point	30.0	85.0
Gas Flare	Point	65.0	115.0
Other Equipment (pumps, compressors, mixers, conveyors)	Point	3.28	75-87

¹Based on manufacturer specification of 85 dBA at 1m from package boundary

²Based on client provided specification of 74 dBA

³Based on manufacturer specification of 77.7 dBA at 2m

⁴Based on client provided specification of 75dBA at package boundary

7.2 Noise Model Results

Tables 7.3 and 7.4 summarize the predicted operational sound levels at each of the monitoring points and NSA locations, the total predicted sound levels at each location, and the predicted increase in the sound level at each location.

Table 7.3 Operational Noise Modeling Results – Gas Flare Active (dBA)

NSA	Existing	Modeled	Total	Increase
1	59.2	26.6	59.2	< 0.1
2	52.1	27.5	52.1	< 0.1
3	52.1	27.4	52.1	< 0.1
4	52.1	26.9	52.1	< 0.1
MP	Existing	Modeled	Total	Increase
1	52.1	47.8	53.5	1.4
2	52.1	51.3	54.7	2.6
3	47.4	59.5	59.8	12.4
4	47.8	64.8	64.9	17.1
5	48.9	59.6	60.0	11.1
6	59.2	63.7	65.0	5.8

Table 7.4 Operational Noise Modeling Results – Gas Flare Inactive (dBA)

NSA	Existing	Modeled	Total	Increase
1	59.2	7.2	59.2	< 0.1
2	52.1	12.3	52.1	< 0.1
3	52.1	12.6	52.1	< 0.1
4	52.1	11.6	52.1	< 0.1
MP	Existing	Modeled	Total	Increase
1	52.1	39.8	52.3	0.2
2	52.1	43.8	52.7	0.6
3	47.4	48.9	51.2	3.8
4	47.8	43.9	49.3	1.5
5	48.9	52.1	53.8	4.9
6	59.2	63.4	64.8	5.6

As shown on Tables 7.3 and 7.4, the results of the noise modeling conducted predict that there will be imperceptible increases in the sound levels at the closest nearby NSAs and at the property line during facility operation when the gas flare is inactive. When the gas flare is active, there will be imperceptible increases in the sound levels at the nearby NSAs but perceptible increases in the sound levels at some property line locations. However, according to the State of California General Plan Guidelines, which have been adopted by the City of Pittsburg, an Ldn sound level of 75 dBA or less is considered acceptable for an industrial land use, and the predicted sound levels at the facility property line during operation with the flare both active and inactive will still be well below that level, and thus maintain sound levels deemed acceptable for an industrial land use.

8. Noise Mitigation

Construction will generally occur during daylight hours, which will significantly mitigate noise impacts to neighbors. All contractors will be required to utilize sound control devices no less effective than those provided by the manufacturer and maintain equipment in accordance with manufacturer's recommendations. No equipment will have unmuffled exhausts and equipment idling will be kept to a minimum.

Operational sound levels will cause minimal (<1 dBA) noise level increases at the closest NSA locations due primarily to the distance from the facility sound sources to the NSAs. Furthermore, the predicted sound level increases over the current sound levels at the property line during normal facility operation (gas flare inactive) will be imperceptible, and the sound levels at the property line during facility operation at all times will be well below the level deemed acceptable for an industrial use by the State of California and the City of Pittsburg. Therefore, no additional sound mitigation is expected to be necessary during facility operation.

Appendix J: Mitigation Monitoring and Reporting Program

**H Cycle Pittsburgh
Renewable Hydrogen Project**

**Appendix J
Mitigation Monitoring and Reporting
Program**

January 2024

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J.1 INTRODUCTION

As the lead agency under the California Environmental Quality Act (CEQA), the city of Pittsburg (City) is required to adopt a program for reporting or monitoring regarding the implementation of mitigation measures for the H Cycle Pittsburg Renewable Hydrogen Project (Project), if it is approved, to ensure that the adopted mitigation measures are implemented as defined in this Environmental Impact Report (EIR). This lead agency responsibility originates in Public Resources Code section 21081.6, subdivision (a) (Findings), and the State Guidelines for Implementing CEQA sections 15091, subdivision (d) (Findings) and 15097 (Mitigation Monitoring or Reporting).

J.2 MONITORING AUTHORITY

The purpose of a Mitigation Monitoring and Reporting Program (MMRP) is to ensure that measures adopted to mitigate or avoid significant impacts are implemented. An MMRP can be a working guide to facilitate not only the implementation of mitigation measures by HC (Contra Costa), LLC (Applicant), but also the monitoring, compliance, and reporting activities of the City and any monitors it may designate.

The City may delegate duties and responsibilities for monitoring to other environmental monitors or consultants as deemed necessary, and some monitoring responsibilities may be assumed by responsible agencies, such as the Bay Area Air Quality Management District. The City or its designee(s), however, would ensure that each person delegated any duties or responsibilities is qualified to monitor compliance.

Any mitigation measure study or plan that requires the approval of the City must allow adequate review time. Other agencies and jurisdictions may require additional review time. It is the responsibility of the Applicant to ensure that appropriate agency reviews and approvals are obtained.

The City or its designee would also ensure that any deviation from the procedures identified under the monitoring program is approved by the City. Any deviation and its correction shall be reported immediately to the City or its designee by the Applicant.

J.3 ENFORCEMENT RESPONSIBILITY

The City, as the lead agency, is responsible for enforcing the procedures adopted for monitoring.

J.4 MITIGATION COMPLIANCE RESPONSIBILITY

HC (Contra Costa), LLC as the Applicant is responsible for successfully implementing all the mitigation measures in the MMRP, and shall ensure that these requirements are met by all of its contractors and field personnel. Standards for successful mitigation are implicit in mitigation measures that include such requirements as obtaining permits or avoiding a specific impact entirely. Other mitigation measures include detailed success criteria. Additional mitigation success thresholds may be established by applicable agencies with jurisdiction through the permit process and through the review and approval of plans required for implementation of mitigation measures.

J.5 MITIGATION MONITORING AND REPORTING TABLE

The MMRP describes implementation and monitoring responsibilities, timing, implementation and reporting schedules, and implementation mechanisms or tools for each mitigation measure identified in the EIR, as described below. The table lists the following information, by column:

- **Mitigation Measure:** Provides the full text of the measure from the Final EIR.
- **Monitoring/Reporting Action:** Identifies the action to be taken by the Applicant.
- **Mitigation Timing:** Implementation of mitigation measures may occur before, during, or after construction or during operation, etc.
- **Responsible Entity:** Identifies the entities that will be responsible for directly implementing the mitigation measures, reporting, and monitoring.
- **Compliance Verification:** Identifies how compliance will be verified.

Table J-1: H Cycle Renewable Hydrogen Program Mitigation Monitoring and Reporting Program

MITIGATION MEASURE	TIMING	MONITORING/ REPORTING ACTION	RESPONSIBLE ENTITY	COMPLIANCE VERIFICATION
3.3 AIR QUALITY and GREENHOUSE GAS EMISSIONS				
Mitigation Measure AQ-O1a: To mitigate the potential for a significant impact from operational ROG, nitrogen oxides (NO _x) and PM ₁₀ emissions, BAAQMD-approved emissions abatement equipment will be installed.	Operation	Implement Operational Control Measures	City	Verify implementation and compliance with operations measures
<p>Mitigation Measure AQ-O1b: To mitigate the potential for GHG emissions, the following measures will be implemented:</p> <ul style="list-style-type: none"> • Project Feedstock Design Feature incorporating the avoidance of landfill emissions with feedstock selection. • The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development). <p>The project will not result in any wasteful, inefficient, or unnecessary energy use as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.</p>	Operation	Implement Operational Control Measures	City	Verify implementation and compliance with operations measures
<p>Mitigation Measure AQ-C2: To mitigate the potential for GHG emissions during construction, the following measures will be implemented:</p> <ul style="list-style-type: none"> • Use zero-emission and hybrid-powered equipment to the greatest extent possible, particularly if emissions are occurring near sensitive receptors or located within a BAAQMD-designated Community Air Risk Evaluation (CARE) area or Assembly Bill 617 community. • Require all diesel-fueled off-road construction equipment be equipped with EPA Tier 4 Final compliant engines or better as a condition of contract. • Require all on-road heavy-duty trucks to be zero emissions or meet the most stringent emissions standard, such as model year (MY) 2024 to 2026, as a condition of contract. • Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to no more than 2 minutes (A 5-minute limit is required by the state airborne toxics control measure [Title 13, Sections 2449(d)(3) and 2485 of the California Code of Regulations]). Provide clear signage that posts this requirement for workers at the entrances to the site and 	Construction	Implement Basic Construction Measures and BMPs	City	Verify implementation and compliance with construction measures and BMPs

Table J-1: H Cycle Renewable Hydrogen Program Mitigation Monitoring and Reporting Program

MITIGATION MEASURE	TIMING	MONITORING/ REPORTING ACTION	RESPONSIBLE ENTITY	COMPLIANCE VERIFICATION
<p>develop an enforceable mechanism to monitor idling time to ensure compliance with this measure.</p> <ul style="list-style-type: none"> • Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to no more than 2 minutes (A 5-minute limit is required by the state airborne toxics control measure [Title 13, Sections 2449(d)(3) and 2485 of the California Code of Regulations]). Provide clear signage that posts this requirement for workers at the entrances to the site and develop an enforceable mechanism to monitor idling time to ensure compliance with this measure. • Prohibit off-road diesel-powered equipment from being in the “on” position for more than 10 hours per day. • Use California Air Resources Board–approved renewable diesel fuel in off-road construction equipment and on-road trucks. • Require all construction equipment to be maintained and properly tuned in accordance with manufacturer’s specifications. Equipment should be checked by a certified mechanic and determined to be running in proper condition prior to operation. • Where grid power is available, prohibit portable diesel engines and provide electrical hook ups for electric construction tools, such as saws, drills, and compressors, and use electric tools whenever feasible. • Where grid power is not available, use alternative fuels, such as propane or solar electrical power, for generators at construction sites. • Encourage and provide carpools, shuttle vans, transit passes, and/or secure bicycle parking to construction workers and offer meal options on site or shuttles to nearby meal destinations for construction employees. • Reduce electricity use in the construction office by using LED bulbs, powering off computers every day, and replacing heating and cooling units with more efficient ones. • Minimize energy used during site preparation by deconstructing existing structures to the greatest extent feasible. • Recycle, divert or salvage nonhazardous construction and demolition debris, with a goal of recycling at least 15 percent more by weight than the diversion requirement in Title 24. 	Construction	Implement Basic Construction Measures and BMPs	City	Verify implementation and compliance with construction measures and BMPs

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<ul style="list-style-type: none"> • Use locally sourced or recycled materials for construction materials (goal of at least 20 percent based on costs for building materials and based on volume for roadway, parking lot, sidewalk and curb materials). Wood products used should be certified through a sustainable forestry program. • When feasible, use low-carbon concrete, and/or minimize the amount of concrete used. When feasible and if more efficient or lower emitting, produce concrete on-site instead of transporting ready-mix. Develop a plan to efficiently use water for adequate dust control since substantial amounts of energy can be consumed during the pumping of water. • Develop a plan to efficiently use water for adequate dust control since substantial amounts of energy can be consumed during the pumping of water. • Include all requirements in applicable bid documents, purchase orders, and contracts, with successful contractors demonstrating the ability to supply the compliant on- or off-road construction equipment for use prior to any ground-disturbing and construction activities. 	Construction	Implement Basic Construction Measures and BMPs	City	Verify implementation and compliance with construction measures and BMPs
<p>Mitigation Measure AQ-O2: To mitigate the potential for GHG emissions during operations, the following measures will be implemented:</p> <ul style="list-style-type: none"> • Project Feedstock Design Feature incorporating the avoidance of landfill emissions with feedstock selection. • The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development). • The project will not result in any wasteful, inefficient, or unnecessary energy use as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines. 	Operations	Implement Basic Operations Measures and BMPs	City	Verify implementation and compliance with operations measures and BMPs
3.4 BIOLOGICAL RESOURCES				
<p>Mitigation Measure BIO-1a: General Work Site Best Management Practices. The following measures shall be included on all plans and employed by HC (Contra Costa), LLC and its contractors to avoid and minimize impacts to water quality and other beneficial characteristics of wetlands at the project site:</p>	Design	Include Measures on Plan	City	Verify measures included on plans

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<ul style="list-style-type: none"> • No debris, soil, silt, sand, cement, concrete or washings thereof, or other construction-related materials or wastes, oil or petroleum products, or other organic or earthen material shall be allowed to enter into or be placed where it may be washed by rainfall or runoff into marshes or open water/ditches adjacent to the work areas. • All personnel and their equipment shall be required to stay within the designated construction area to perform job-related tasks and shall not be allowed to enter wetlands, drainages and habitat of listed species. • Pets shall not be allowed in or near the construction area. • Firearms shall not be allowed in or near the construction area, except for armed HC (Contra Costa), LLC security officers who may periodically patrol work sites. No intentional killing or injury of wildlife shall be permitted. • The construction site shall be maintained in a clean condition. All trash (e.g., food scraps, cans, bottles, containers, wrappers, cigarette butts and other discarded items) shall be placed in closed containers and properly disposed off-Site. <p>After construction is completed, final cleanup shall include removal of all stakes, temporary fencing, flagging and other refuse generated by construction. Vegetation shall not be removed or disturbed in the cleanup process.</p>	During construction	Implement General Work Site Best Management Practices	City	Verify implementation and compliance
<p>Mitigation Measure BIO-1b: Spill and Accidental Discharge Prevention. The following measures shall be included on all plans and employed by HC (Contra Costa), LLC and its contractors. HC (Contra Costa), LLC and its contractors shall be responsible for structure operations in a manner that minimizes the risk of spills or the accidental discharge of fuels or hazardous materials. HC (Contra Costa), LLC and its contractors shall, at a minimum, ensure that:</p> <ul style="list-style-type: none"> • All employees handling fuels and other hazardous materials are properly trained. • All equipment is in good operating order and inspected regularly. Hazardous materials, including chemicals, fuels and lubricating oils, shall not be stored within 200 feet of a wetland or water body. This applies to storage of these materials and does not apply to normal operation or use of equipment in these areas. 	Design	Include measures on plans	City	Verify measure included on plans
	Construction	Implement Spill and Accidental Discharge Prevention Measures	City	Verify implementation of measures

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<ul style="list-style-type: none"> If refueling is needed on-site, it will occur at least 100 feet from a surface water feature, and in a designated refueling area with secondary containment/plastic sheeting and a spill containment kit. 				
<p>Mitigation Measure BIO-1c: Emergency Spill and Containment Plan. The following measures shall be included on all plans and employed by HC (Contra Costa), LLC and its contractors:</p> <ul style="list-style-type: none"> In the event of an accidental spill, the Facility Oil Spill Contingency Plan shall be implemented. Site-specific provisions shall be listed on the Safe Work Permit and included within the job plan maintained on-Site. At a minimum, the Applicant and its contractors shall: <ul style="list-style-type: none"> Ensure that each construction crew (including clean-up crews) has sufficient supplies of absorbent and barrier materials on-Site to allow the rapid containment and recovery of spilled materials, and that each construction crew knows the procedure for reporting spills. Ensure that each construction crew has sufficient tools and material on Site to stop leaks. Know the contact names and telephone numbers for all HC (Contra Costa), LLC contacts and local, state and federal agencies (including, if necessary, the U.S. Coast Guard and the National Response Center) that might need to be notified in the event of a spill. Follow the requirements of those agencies in cleaning up the spill, excavating and disposing soils or other materials contaminated by a spill, and collecting and disposing waste generated during spill cleanup. 	Design	Include measures on plans; Emergency Spill and Containment Plan	City	Verify measure included on plans. Review and approve Safe Work Permit; Review and approve Emergency Spill and Containment Plan
	Construction	Implement plan	City	Verify plan implementation and compliance
<p>Mitigation Measure BIO-1d: Stormwater Pollution Prevention Plan (SWPPP). The proposed Project shall adhere to and implement the requirements of the respective existing SWPPP for Corteva during project operations. Applicable measures for project construction shall be incorporated into the construction SWPPP plans by a qualified specialist and implemented prior to construction.</p>	Design	SWPPP	SFRWQB	Review and approve SWPPP
	Design	Include applicable measures on construction plans	City	Verify measures included on construction plans
	Construction	Implement measures	City; SFRWQB	Verify implementation and compliance

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<p>Mitigation Measure BIO-1e: Demarcation of Limits of Work. Applicant and its contractors shall clearly demarcate the limits of work in the field. All project-related activity shall be confined to the designated work areas; no entry into adjacent areas shall be allowed by project personnel. Upon project completion, material used to mark the work boundary shall be removed.</p>	Construction	Implement work restrictions	City	Verify implementation and compliance
<p>Mitigation Measure BIO-1f: Weed Spread Prevention. Applicant and its contractors shall implement measures to ensure that boots, clothing, vehicles and equipment are free of soils and plant parts prior to entering work areas.</p>	Construction	Implement work restrictions	City	Verify implementation and compliance
<p>Mitigation Measure BIO-1g: . Preconstruction Focused Soft-Bird’s Beak Surveys. Focused surveys for soft-bird’s beak shall be conducted by a qualified biologist each year during the appropriate blooming period (June 1 through September 30) prior to construction to confirm its absence. Locations of rare plants in proposed construction areas will be recorded using a GPS unit and flagged for avoidance or project proponent will consult with the appropriate agency regarding the potential to relocate the plants. When construction is occurring in the area of the flagged plants, a qualified biologist shall monitor construction activities occurring in the vicinity of the flagged plants to ensure that no direct or indirect impacts occur.</p>	Construction	Preconstruction surveys to minimize habitat disturbance	City	Verify implementation and compliance
<p>Mitigation Measure BIO-1h: Preconstruction Nesting Bird Surveys. No more than 5 days prior to construction during the nesting bird season (February 1 through September 15), a qualified biologist shall conduct a survey for nesting birds. If work within an area lapses for more than 14 days during the nesting season, the survey shall be repeated. The survey shall encompass all work areas and those areas within a buffer of 250 feet for passerines, 500 feet for small raptors, and 1,000 feet for large raptors. Where accessible, the location of active nests will be recorded using a handheld global-positioning system unit. Should an active nest be discovered, the area of the nest and an appropriate buffer area will be cordoned off during construction activities that could cause disturbance of the nest. The qualified biologist conducting the nesting surveys should prepare a report that provides details about the nesting outcome and the removal of buffers. This report should be that buffers are removed at the end of the proposed project, at which time the biologist will confirm that the nests were not disturbed.</p>	Construction	Preconstruction surveys in designated work areas	City	Verify implementation of measure

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<p>Measure BIO-1i: California Ridgway’s Rail and California Black Rail Surveys. Prior to construction occurring during the rail nesting season (February 1 through August 31) within 700 feet of suitable rail habitat, surveys shall be conducted for California Ridgway’s rail and California black rail in accordance with the USFWS Survey protocol for California Ridgway’s rail. Surveys should be initiated between January 15 and February 1. For each survey station, four surveys are to be conducted. Surveys should be spaced at least two weeks apart and should cover the time period from the date of the first survey through the end of March or mid-April. If California Ridgway’s or California black rails are detected during the survey, no work within 700 feet of the rail calling centers (identified via compass bearing and distance estimate during surveys) shall occur between February 1 and August 31, unless otherwise approved by USFWS and CDFW.</p>	Construction	Preconstruction surveys in designated work areas	City	Verify implementation of measure
3.5 CULTURAL AND TRIBAL RESOURCES				
<p>Mitigation Measure CR-C1a: Prepare and Implement an Inadvertent Discovery Plan. The following measures shall be included on all plans and employed by HC (Contra Costa), LLC (Applicant) and its contractors to avoid and minimize impacts to historical and archaeological resources at the project site:</p> <ul style="list-style-type: none"> • A plan for the inadvertent discovery of historic or cultural resources, or human remains will be prepared. If unanticipated cultural resources (historic or prehistoric artifacts, concentrations of shell, burnt or unburnt bone, stone features, etc.) are uncovered during grading or excavation activities, work immediately within 50 feet of the discovery of the find shall be halted, the City of Pittsburg Planning Division shall be notified, and a professional archaeologist that meets the Secretary of the Interior’s Standards and Guidelines for Professional Qualifications in archaeology and/or history shall be retained to determine the significance of the discovery. A mitigation plan shall include such measures as avoidance, preservation in place, excavation, documentation, curation, data recovery, or other appropriate measures. The City shall consider mitigation recommendations presented in the mitigation plan. The Applicant shall be required to implement any mitigation necessary for the protection of cultural resources before ground-disturbing activities may resume. 	Prior to any ground disturbance and throughout construction	Upon find of prehistoric or historic-period archaeological resources	City; Tribal representative, if required; CSLC Staff Attorney	Confirm suspension of work upon find and resource determination; Approve avoidance or other applicable measures.

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<p>Mitigation Measure CR-C1b: Provide Preconstruction Worker Awareness Training. The following measure shall be included on all plans and employed by the Applicant and its contractors to avoid and minimize impacts to historical and archaeological resources at the project site:</p> <ul style="list-style-type: none"> As part of construction personnel training, the City of Pittsburg shall ensure that all construction personnel receive training that includes: 1) information on the possibility of encountering human or animal remains during construction; 2) the types of cultural resources are likely to be seen; and 3) proper procedures in the event of any inadvertent discovery. Worker training shall be prepared and presented by a qualified archaeologist 	Prior to any ground disturbance and throughout construction	Construction worker awareness training on inadvertent discovery	City; Tribal representative, if required; CSLC Staff Attorney	Confirm suspension of work upon find and resource determination; Approve avoidance or other applicable measures.
<p>Mitigation Measure CR-C2: Excavation/Grading Halt upon Human Burial or Bone Discovery. The following measures shall be included on all plans and employed by Applicant and its contractors to avoid and minimize impacts to historical and archaeological resources at the project site:</p> <p>In the event of the discovery of a burial, human bone, or suspected human bone: 1) all excavation and grading in the vicinity of the find shall be halted immediately; 2) the area of the find shall be cordoned off; and 3) the Applicant shall immediately notify the Contra Costa County Coroner of the find and comply with provisions of PRC § 5097 with respect to Native American involvement, burial treatment, and re-burial, if necessary. If the coroner’s office determines that the remains are Native American and not under its purview, it shall contact the Native American Heritage Commission as mandated by PRC § 5097.</p>	Construction	Designate work areas	City	Verify implementation of measure
3.6 ENERGY				
<p>Mitigation Measure ENG-C1a: Provide incentives for construction workers to use electric vehicles, transit, bicycles, or carpool. As examples, construction workers could be provided preferential parking, stipends, and assistance to take advantage of the numerous federal and state electric vehicle incentives. Bicyclists can be provided electric bike subsidies through California’s CalBike Program. Carpoolers can be provided reward programs (such as prize drawings), and employees can be encouraged to form carpools through rideshare matching and through other assistance.</p>	Construction	Provide evidence of compliance	City	Verify implementation of mitigation measure

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Mitigation Measure ENG-C1b: Provide incentives for zero emission delivery trucks to use the facility. Since California requires 100 percent zero emission truck sales beginning in 2036, most major truck manufacturers already have such vehicles on the market today. Incentives could involve preferences in vendor selection, preferred scheduling, free or low-cost recharging on site, and purchase incentives.	Construction	Provide evidence of compliance	City	Verify implementation of mitigation measure
Mitigation Measure ENG-C1c: Provide incentives for the construction contractor to use electric powered equipment on site.	Construction	Provide evidence of compliance	City	Verify implementation of mitigation measure
Mitigation Measure ENG-C1d: Provide incentives for the construction contractor to minimize and reuse waste generated on site.	Construction	Provide evidence of compliance	City	Verify implementation of mitigation measure
Mitigation Measure ENG-O1a: Require the Applicant to install EV charging stations.	Design	Include on construction plans	City	Verify included on construction plans
Mitigation Measure ENG-O1b: Require 10 percent of on-road commercial trucks entering the facility to be zero emission by 2030 and 100 percent to be zero emission by 2045.	Operations	Implement BMPs	City	Verify implementation of mitigation measure
Mitigation Measure ENG-O1c: Require all buildings to comply with the adopted California Green Building Standards Code.	Operations	Implement BMPs	City	Verify implementation of mitigation measure
Mitigation Measure ENG-O1d: Require the Applicant to prioritize parking for zero emission vehicles.	Operations	Implement BMPs	City	Verify implementation of mitigation measure
Mitigation Measure ENG-O1e: Provide incentives for facility workers and visitors to use electric vehicles, bicycles, or transit, or to walk or carpool to the site.	Operations	Implement BMPs	City	Verify implementation of mitigation measure
Mitigation Measure ENG-O1f: Require the Applicant to participate in one or more of the numerous zero emission truck purchase programs if funding is available. For example, CARB provides funding assistance, planning resources, and other support to entities such as the Applicant to purchase zero-emission vehicles.	Operations	Implement BMPs	City	Verify implementation of mitigation measure

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Mitigation Measure ENG-O1g: Require 25 percent of all on-site forklifts, yard trucks, and company vehicles other than off-road equipment to be zero emission by 2030 and 100 percent to be zero emission by 2045.	Operations	Implement BMPs	City	Verify implementation of mitigation measure
3.7 GEOLOGY AND SOILS				
Mitigation Measure GEO-1: Compliance with California Building Code requirements	Prior to issuance of permit to construct	Provide evidence of compliance	City	Verify implementation of mitigation measure