







VOLUME II of II
JULY 2020

PORT of SAN DIEGO

BAE Systems Waterfront Improvement Project

Draft Environmental Impact Report Technical Appendices

Prepared for:
San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101
Contact: Peter Eichar
(619) 686-6284

Prepared by:
ICF
525 B Street, Suite 1700
San Diego, CA 92101
Contact: Tristan Evert
(858) 444-3938

UPD #EIR-2018-197; SCH #2019039040

PORT of SAN DIEGO

ICF

Appendix A

Notice of Preparation

San Diego Unified Port District
P.O. Box 120488
San Diego, California 92112-0488

NOTICE OF PREPARATION
of a
DRAFT ENVIRONMENTAL IMPACT REPORT

PROJECT TITLE: **BAE SYSTEMS WATERFRONT IMPROVEMENT PROJECT (UPD #EIR-2018-197)**

APPLICANT: BAE Systems San Diego Ship Repair Inc.

LOCATION: 2205 East Belt Street, City of San Diego, in San Diego County, California

REFERENCE: California Code of Regulations, Title 14, Sections 15082(a), 15103, 15375

The San Diego Unified Port District (District) will be the Lead Agency in preparing an Environmental Impact Report (EIR) for the project identified above (proposed project or project). The District is soliciting input and feedback from various agencies, stakeholders, and the public pertaining to the scope and content of the environmental information that will be included in the EIR. For certain agencies, this may be germane to statutory responsibilities in connection with the proposed project. An agency may need to use the proposed project's EIR when considering its permit or other approval for the project. The project description, location, and possible environmental effects of the proposed project are contained in the attached materials.

Due to the time limits mandated by state law, your comments must be sent at the earliest possible date but no later than 30 days after issuance of this notice. **Comments regarding environmental concerns will be accepted until 5:00 p.m. on Monday, April 8, 2019**, and should be mailed to: San Diego Unified Port District, Development Services Department, Attn: Joseph Smith, Department Manager, P.O. Box 120488, San Diego, CA 92112-0488 or emailed to: jdsmith@portofsandiego.org.

A public scoping meeting regarding the proposed EIR will be held on Monday, March 25, 2019 at 5:00 p.m. at the San Diego Unified Port District Administration Building, Training Room, 3165 Pacific Highway, San Diego, CA 92101.

For questions on this Notice of Preparation, please contact Joseph Smith, Department Manager, at (619) 686-6597.

Signature: Wileen C Manaois Date: March 5, 2019

Wileen C. Manaois
Director, Development Services

Issuance Date: March 7, 2019

This page intentionally left blank

San Diego Unified Port District
P.O. Box 120488
San Diego, California 92112-0488

NOTICE OF PREPARATION
of a
DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE
BAE SYSTEMS WATERFRONT IMPROVEMENT PROJECT
(UPD #EIR-2018-197)

Publication of this Notice of Preparation (NOP) initiates the San Diego Unified Port District's (District's) compliance with the California Environmental Quality Act (CEQA) for the BAE Systems Waterfront Improvement Project (proposed project or project). The NOP is the first step in the Environmental Impact Report (EIR) process. It describes the proposed project and is distributed to responsible agencies, trustee agencies, cooperating federal agencies, and the general public. As stated in State CEQA Guidelines Section 15375, the purpose of the NOP is "to solicit guidance from those agencies as to the scope and content of the environmental information to be included in the EIR." The District is the CEQA lead agency and the Project Applicant/Proponent is BAE Systems San Diego Ship Repair Inc. (BAE Systems or Applicant).

Project Location

The project site is located in San Diego, California, at the BAE Systems San Diego Ship Repair Yard at 2205 E. Belt Street, within Planning Subarea 43 (Belt Street Industrial) of Planning District 4 (Tenth Avenue Marine Terminal) of the certified Port Master Plan. Existing facilities at the project site include three working piers, five wet berths, and two floating drydocks, all of which are used to modernize, repair, and overhaul marine vessels. The site is bounded by East Belt Street and marine-related industrial uses to the north and east, R.E. Staite Engineering to the northwest, NASSCO/General Dynamics ship building facility to the southeast and south, and San Diego Bay to the west. Per the Port Master Plan, the area surrounding the project site is developed entirely with marine-related industrial businesses, while the waterside portion of the site is surrounded entirely by specialized berthing water uses.

Major regional circulation facilities in the area include State Route (SR-) 75, also known as the San Diego-Coronado Bay Bridge, approximately 0.25 mile to the northwest, and Interstate (I-) 5, approximately 0.5 mile to the northeast. Figure 1 provides a regional map of the proposed project's location. Figure 2 provides an aerial view of the proposed project site.

Project Description

BAE Systems is a ship repair company in the San Diego area, primarily serving non-nuclear Navy vessels, as well as commercial customers. The purpose of the proposed project is to maintain and improve existing facilities at the BAE Systems San Diego Ship Repair Yard for the berthing needs of current and future U.S. Naval assets and other customers. As part of the U.S. Navy's "Pivot West" strategy, it is anticipated that more Navy vessels will be home-ported in San Diego. As a result, BAE Systems requires the ability to flexibly locate various ships within the existing facility as well as to ensure safe and efficient facility utilization for the moorage of vessels, including during extreme weather conditions. However, no new berthing space would be provided with the proposed project and no increase in the number of vessels serviced would result.

The proposed project would replace aging structures, improve existing infrastructure, increase space utilization, and increase efficiency of operations at the ship repair yard. While these improvements would allow for newer and different classes of vessels to be moored and repaired on site, the proposed improvements are not expected to increase the number of vessels serviced as no new berthing space would be provided and the mooring of new, larger vessels would reduce the number of other vessels that could be concurrently moored at the ship repair yard. The proposed project includes 15 distinct project elements designed to improve efficiency and functionality of the existing BAE Systems San Diego Ship Repair Yard. A summary of the proposed activities associated with each project element is provided in Table NOP-1. Figure 3 provides an overall site plan identifying the location of each project element by number and Figures 4 through 11 provide representative photos of the various project elements.

Table NOP-1. Proposed Project Elements

#	Title	Description
1	Pride of San Diego Drydock Dredging and Moorage Replacement	This project element proposes to shift the Pride of San Diego drydock west by approximately 100 feet and replace two existing 15 by 30-foot mooring dolphins (which would include removing twenty-six 18-inch square concrete piles and 85 cubic yards [cy] of concrete caps, installation of thirty-eight 24-inch octagonal precast concrete piles and 900 square feet of surface area). The drydock sump would be relocated, which would require dredging to -70 feet of overdepth and transportation of 24 scows offsite.
2	Pride of San Diego Drydock Wharf Replacement and Realignment	Upon completion of Project Element 1, wharf and ramp modifications would be needed. This project element proposes to extend the Pride of San Diego wharf to provide a material handling area. This element would include demolition of approximately 5,540 square feet of the existing wharf and twenty 18-inch piles, and installation of 12,500 square feet of cast-in-place decking on 73 octagonal piles and 6 concrete precast piles to extend the wharf structure to the northeast. An apron and a new pedestrian access ramp would be installed to minimize in-water structures required to access and support the drydock. The replacement structure would be incorporated into the existing Pride of San Diego wharf ramp; however, if the geotechnical evaluation determines this to be technically infeasible, the existing structure would be demolished and a complete replacement would be constructed (this worst case scenario is assumed for analysis purposes).
3	Fender Repair and Replacement	Fenders are occasionally damaged when impacted by vessels and need to be replaced to provide safe vessel moorage. This project element proposes to remove and replace 503 existing (14-inch by 89-foot) steel H-pile fenders, and install an additional 122 new steel H-pile fenders for a total of 625 fenders. Due to the occasional damage to fenders the project assumed that approximately 39 steel H-pile fenders would be replaced per year.
4	Pier 3 South Nearshore Dredging	This project element proposes to dredge approximately 15,000 cubic yards from the toes of the dredge sump to allow for the safe passage of tug boats while maneuvering large ships. The dredged materials would be placed directly onto dredge scows and disposed off tidelands at an upland disposal site.
5	Pier 3 Mooring Dolphin	This project element proposes the installation of one 16- by 20-foot, 3-foot thick mooring dolphin 970 feet offshore (west) of the U.S. Bulkhead Line. The dolphin would provide a fixed mooring structure to secure the bow of large vessels and would require the installation of eight 24-inch concrete octagonal piles, two 150-ton double bitts, and 16 steel H-pile fenders, 12 cylindrical fenders, whalers, and chocks around the perimeter of the proposed mooring dolphin. This project element is necessary to ensure safe vessel moorage, especially during extreme storm surge or other climatic conditions (e.g., wind and tide).

Table NOP-1. Proposed Project Elements

#	Title	Description
6	Pier 3 North Lunchroom Wharf Replacement and Realignment	This project element proposes demolition of the existing overwater 1,150-square-foot restroom structure, as well as removing the existing 2,915-square-foot wood decking, 595 square feet of metal material, and twenty-seven 12-inch concrete pilings and one HP-pile. This project element proposes to install forty-eight 24-inch octagonal pre-cast concrete pilings; and 8,800 square feet of cast-in-place decking.
7	Quay Wall Modifications	This project element proposes to dredge 300 cy of rock and 500 cy of sediment in the immediate vicinity of the submerged sheet pile structure, and installation of up to 50 linear feet of submerged sheet pile structure.
8	Port Security Barrier Replacement	A Port Security Barrier (PSB) is maintained around the existing shipyard facility as required by the U.S. Navy for vessels located within the BAE Systems San Diego Ship Repair Yard. The U.S. Navy has instituted new, stricter requirements for the PSB system, resulting in the need for BAE Systems to replace the existing PSB with a new design. This project element proposes the removal of the existing PSB consisting of a 3,500-linear-foot floating boom and replacing it with a new 3,500-foot hard barrier. The project element would also replace the weighted anchors that hold the existing PSB system in place (consisting of 30 anchors and 60 sinker weights).
9	Small Boat Mooring Float Replacement	This project element is to address enhanced site security requirements instituted by the U.S. Navy that requires BAE Systems to maintain on-water security, including a security patrol vessel. This project element would involve the replacement of the existing 320-square-foot (160 square feet for each float) aged timber moorage float system with two 200-square-foot concrete floats. The new floats would include one 45-foot-long aluminum gangway, low voltage electrical service, and potable water. This project element also proposes to replace four piles supporting the float.
10	Central Tool Room Demolition and Reconstruction	This project element includes the demolition of the existing 2,000-square-foot central tool room and the construction of a new 21,900-square-foot, 3-story tool room on the wharf (part of Project Element 6). This project element also includes replacing the existing Pier 3 restroom facilities.
11	New Production Building	This project element proposes to demolish the existing 17,675-square-foot production building and construct a new 3-story, 48,379-square-foot (16,475-square-foot building footprint) production building to increase the efficiency of material assembly. An overhead bridge crane would be installed within the first floor of the new building.
12	Administration Office Building	This project element includes removal of four existing trailers and construction of a new permanent 3-story modular administrative office space with approximately 46,000 square feet of work space, a building footprint of 16,000 square feet, and a height of up to 55 feet. The first floor would contain production spaces, a tool room, and restroom. The second and third floors would contain office space and a second-floor break room.
13	Pier 1 Restroom Renovation and/or Demolition	The restroom facility would be reconfigured to increase the number of fixtures and upgraded to provide water efficient fixtures, LED lighting, and other features to increase utility and efficiency. However, upon completion of Project Element 12 (Administration Office Building), the Pier 1 restroom may be demolished.
14	Main Electrical Utility Service Update	This project element proposes to relocate the existing San Diego Gas & Electric (SDG&E) main in Building 13 to Building 65 alongside East Belt Street and to replace and upgrade electrical distribution equipment. This project element would increase overall site safety by allowing SDG&E

Table NOP-1. Proposed Project Elements

#	Title	Description
		technicians access to critical electrical components outside the secure property perimeter.
15	Sanitary Sewer and Potable Water Utilities Services	The existing sanitary sewer and potable water service feeds were installed in 1983. This project element proposes to replace the sanitary and potable water feeds to better accommodate the existing hotel service requirements of modern naval and commercial vessels.

The majority of the proposed work would take place within the District's jurisdiction (i.e., Project Elements 2, 3, 4, and 6, 7, and 9–15). Three project elements are located either partially (Project Elements 1 and 8) or entirely (Project Element 5) within State Lands Commission (SLC) jurisdiction and are outside of the District's jurisdiction. BAE Systems will apply directly to SLC and the California Coastal Commission (CCC) for authorization and entitlements for Project Elements 1, 5, and 8; however, this Initial Study and corresponding Draft Environmental Impact Report (EIR) will analyze the entire proposed project as required by the California Environmental Quality Act (CEQA).

Project Construction

Construction of the various project elements is anticipated to begin in February 2020 with Project Element 3 (Fender System Repair and Replacement) and Project Element 4 (Pier 3 South Nearshore Dredging) and last through December 2024. Construction of each project element would not be performed sequentially as numbered on Figure 3, and construction of several elements may occur concurrently. Construction activities would occur between 7 a.m. and 7 p.m. in compliance with the City of San Diego Noise Ordinance (Municipal Code Section 59.5.0404).[1] However, dredging operations would occur 24 hours a day, 7 days per week for the duration of dredging activities. Table NOP-2 lists the project elements in chronological order and provides the anticipated timing, duration, and construction crew size of each project element.

Table NOP-2. Proposed Construction Schedule

#	Project Element	Schedule	Duration (months)	Crew Size
3[a]	Fender System Repair and Replacement (continuous)	February 2020–October 2020	9.00	6
4	Pier 3 South Nearshore Dredging	February 2020–April 2020	2.25	10
5	Pier 3 Mooring Dolphin	March 2020–April 2020	1.50	5
9	Small Boat Mooring Float Replacement	July 2020–August 2020	1.00	5
7	Quay Wall Modifications	October 2020–November 2020	1.00	10
14	Electric Utility Service Update	January 2021–April 2021	3.50	5
8	Post Security Barrier Replacement	February 2021–April 2021	2.00	6
6	Pier 3 Lunchroom Wharf Replacement and Realignment	July 2021–October 2021	3.50	7

[1] When the District has not adopted its own code or regulation on a specific topic, it defers to the corresponding member city's codes and regulations for the same.

Table NOP-2. Proposed Construction Schedule

#	Project Element	Schedule	Duration (months)	Crew Size
1	Pride of San Diego Drydock Dredging and Moorage	February 2022–May 2022	3.25	12
2	Pride of San Diego Drydock Wharf Replacement and Realignment	February 2022–May 2022	4.00	13
15	Sanitary Sewer and Potable Water Utility Services	July 2022–September 2022	3.00	3
11	New Production Building	October 2022–July 2023	9.25	16
12	Administration Office Building	August 2023–May 2024	9.50	16
13	Pier 1 Restroom Renovation and/or Demolition	March 2024–April 2024	1.00	10
10	Central Tool Room Demolition and Reconstruction	June 2024–December 2024	7.00	13

Note: The project construction schedule has been structured to minimize in-water work during the California Least Tern nesting/foraging season, where feasible.

[a] Fender system repairs and new installation to be conducted at various berths and quay walls depending on BAE Pier availability. Schedule for this project element reflects the duration if all berths were replaced/installed continuously.

Project Operations

Several of the proposed project elements are infrastructure maintenance and modernization improvements and would not change the existing operations at the project site. However, Project Element 1 (Pride of San Diego Drydock Dredging and Moorage), as well as Project Element 4 (Pier 3 South Nearshore Dredging) and Project Element 5 (Pier 3 Mooring Dolphin), would allow BAE Systems to improve operational efficiency. However, as stated above, the proposed improvements are not expected to increase the number of vessels serviced as no new berthing space would be provided and the mooring of new, larger vessels would reduce the number of other vessels that could be concurrently moored at the ship repair yard. The Pier 3 improvements would allow for servicing of newer and different classes of vessels, which would represent a change from existing conditions. Therefore, the analysis contained within the Draft EIR will evaluate how any changes to operations, including the result of more efficient systems, will affect the environment.

Environmental Considerations

The Draft EIR will address the following potential project-related and cumulative environmental effects of the proposed project, including: Air Quality, Biological Resources, Greenhouse Gas Emissions, Hazards and Hazardous Materials, Hydrology and Water Quality, Land Use and Planning, Noise, Transportation/Traffic, and Utilities and Service Systems. The Draft EIR will also address other potential impacts identified during the NOP process, identify feasible mitigation measures and a reasonable range of alternatives, and include the other additional mandatory sections required by CEQA. A proposed Mitigation Monitoring and Reporting Program (MMRP) to address the potentially significant adverse impacts of the proposed project will also be presented to the Board of Port Commissioners for its consideration. The Initial Study/Environmental Checklist is attached.

Comments

This NOP is available for a 30-day public review period that starts on Thursday March 7, and ends at 5:00 p.m. on Monday, April 8, 2019. Comments regarding the scope and content of the environmental information that should be included in the Draft EIR and other environmental concerns should be mailed to:

San Diego Unified Port District
Development Services Department
Attn: Joseph Smith, Department Manager
P.O. Box 120488
San Diego, CA 92112 0488

Or emailed to: jdsmith@portofsandiego.org

Public Scoping Meeting

A public scoping meeting to solicit comments on the scope and content of the EIR for the proposed project will be held on Monday, March 25, 2019, from 5:00 p.m. to 7:00 p.m. at the San Diego Unified Port District Administration Building, Training Room, 3165 Pacific Highway, San Diego, CA 92101.

The District, as Lead Agency pursuant to CEQA, will review the public comments received during the scoping period to determine what issues should be addressed in the EIR. Other opportunities for the public to comment on the potential environmental effects of the proposed project are as follows:

- A minimum 45-day public review and comment period for the Draft EIR;
- A public hearing for the Board of Port Commissioners to consider certification of the Draft EIR.

For questions regarding this NOP, please contact Joseph Smith, Department Manager, at (619) 686-6597.

Attachments

Figure 1: Regional Map

Figure 2: Project Vicinity

Figure 3: Project Elements

Figure 4: Project Element 1 Representative Photos

Figure 5: Project Elements 2 and 5 Representative Photos

Figure 6: Project Elements 6 and 7 Representative Photos

Figure 7: Project Element 8 Representative Photos

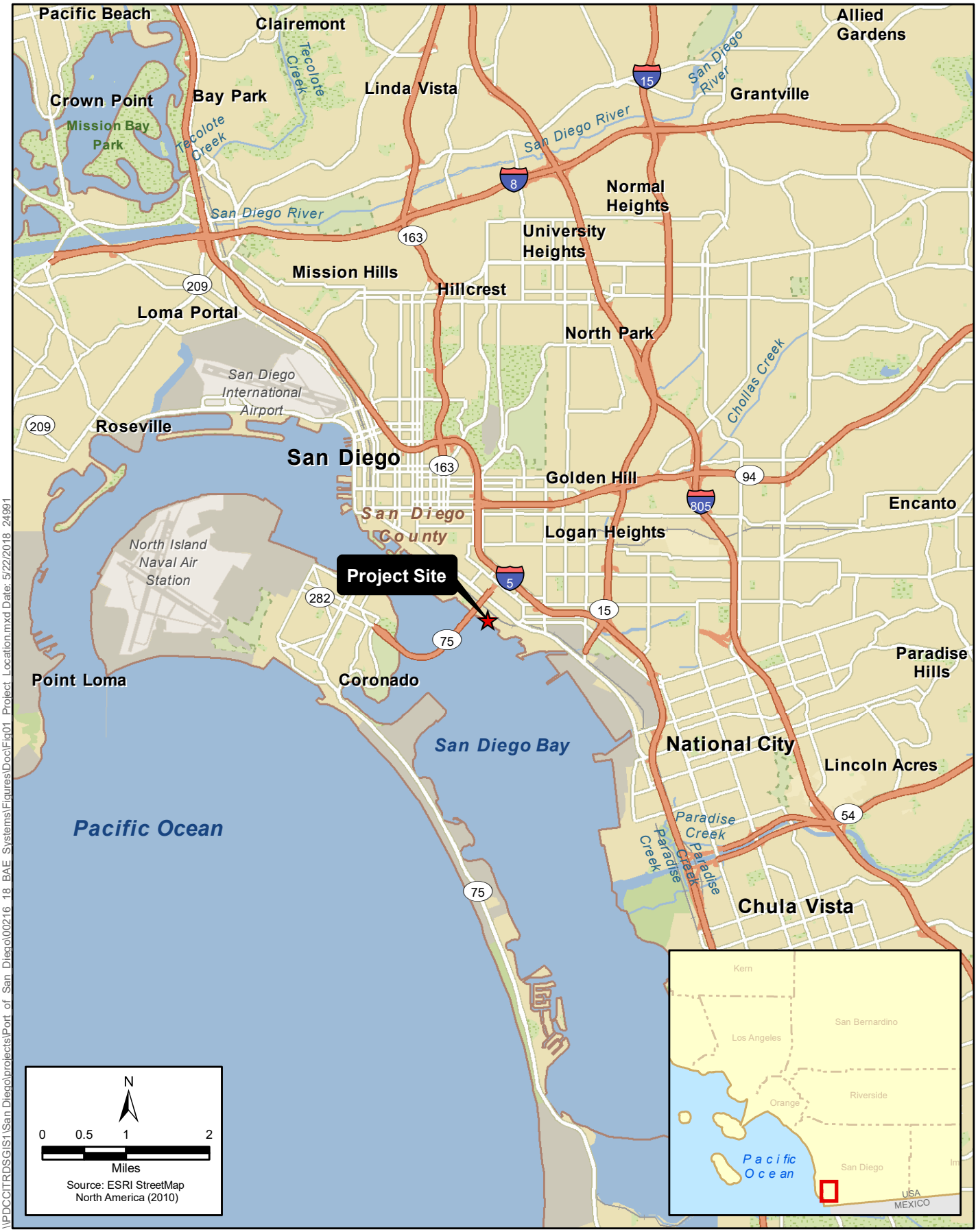
Figure 8: Project Elements 9 and 10 Representative Photos

Figure 9: Project Element 11 Representative Photos

Figure 10: Project Elements 12 and 13 Representative Photos

Figure 11: Existing and Proposed Vessel Arrangement Pier Layout

Initial Study/Environmental Checklist



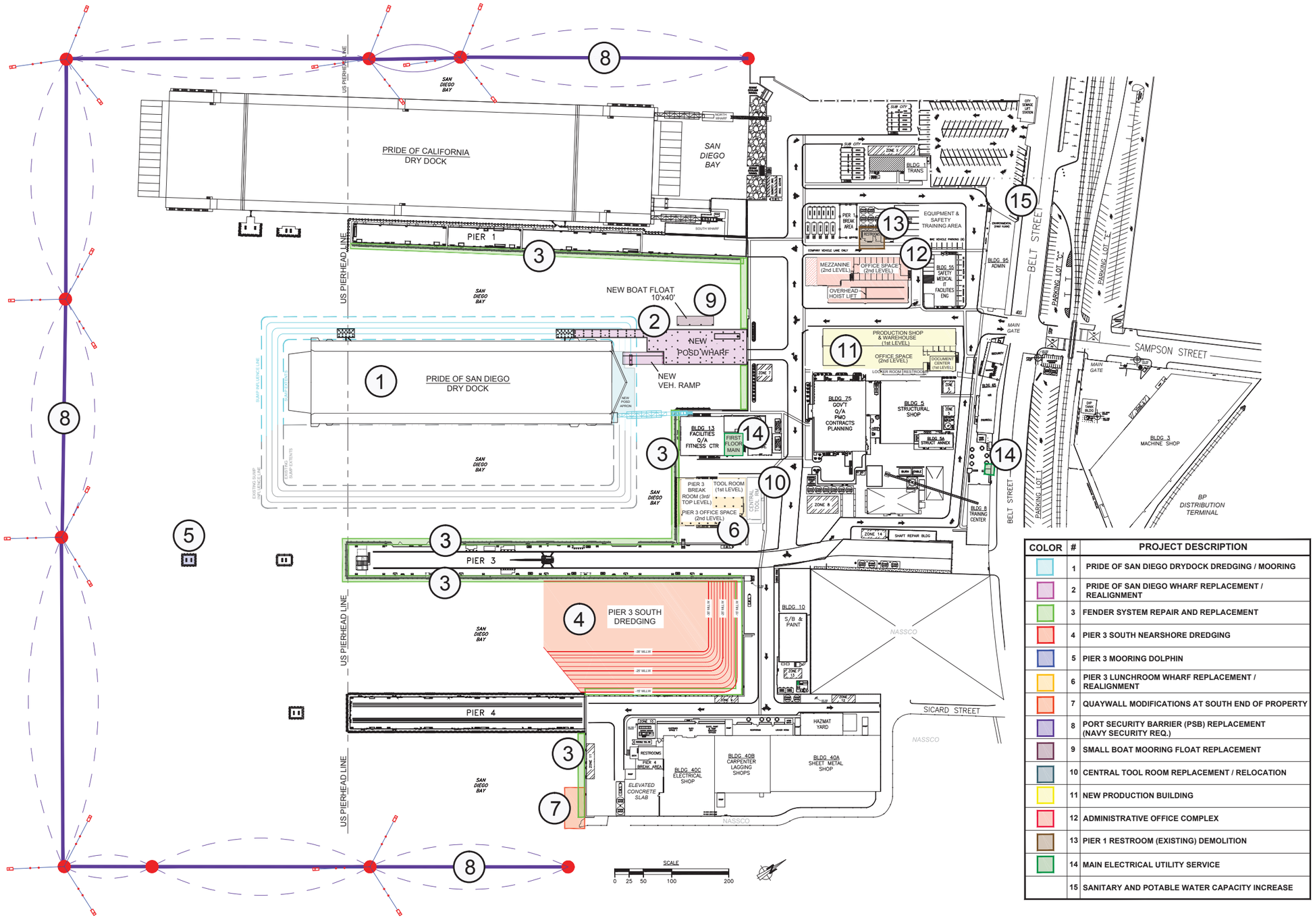
\\PDCCITRDSGIS1\San Diego\projects\Port of San Diego\00216 18 BAE Systems\Figures\Doc\Fig01 Project Location.mxd Date: 5/22/2018 24991

Figure 1
Project Location
BAE Systems Waterfront Improvement Project



\\PDCCITRDSGIS1\San Diego\projects\Port_of_San_Diego\00216_18_BAE_Systems\Figures\Doc\Fig02_Regional_Vicinity.mxd Date: 5/22/2018 24991

Figure 2
Project Vicinity
BAE Systems Waterfront Improvement Project



COLOR	#	PROJECT DESCRIPTION
	1	PRIDE OF SAN DIEGO DRYDOCK DREDGING / MOORING
	2	PRIDE OF SAN DIEGO WHARF REPLACEMENT / REALIGNMENT
	3	FENDER SYSTEM REPAIR AND REPLACEMENT
	4	PIER 3 SOUTH NEARSHORE DREDGING
	5	PIER 3 MOORING DOLPHIN
	6	PIER 3 LUNCHROOM WHARF REPLACEMENT / REALIGNMENT
	7	QUAYWALL MODIFICATIONS AT SOUTH END OF PROPERTY
	8	PORT SECURITY BARRIER (PSB) REPLACEMENT (NAVY SECURITY REQ.)
	9	SMALL BOAT MOORING FLOAT REPLACEMENT
	10	CENTRAL TOOL ROOM REPLACEMENT / RELOCATION
	11	NEW PRODUCTION BUILDING
	12	ADMINISTRATIVE OFFICE COMPLEX
	13	PIER 1 RESTROOM (EXISTING) DEMOLITION
	14	MAIN ELECTRICAL UTILITY SERVICE
	15	SANITARY AND POTABLE WATER CAPACITY INCREASE

\\PDCCITRDSGIS1\San Diego\projects\Port_of_San_Diego\00216_18_BAE_Systems\Figures\Doc\

Figure 3
Project Elements
BAE Systems Waterfront Improvement Project

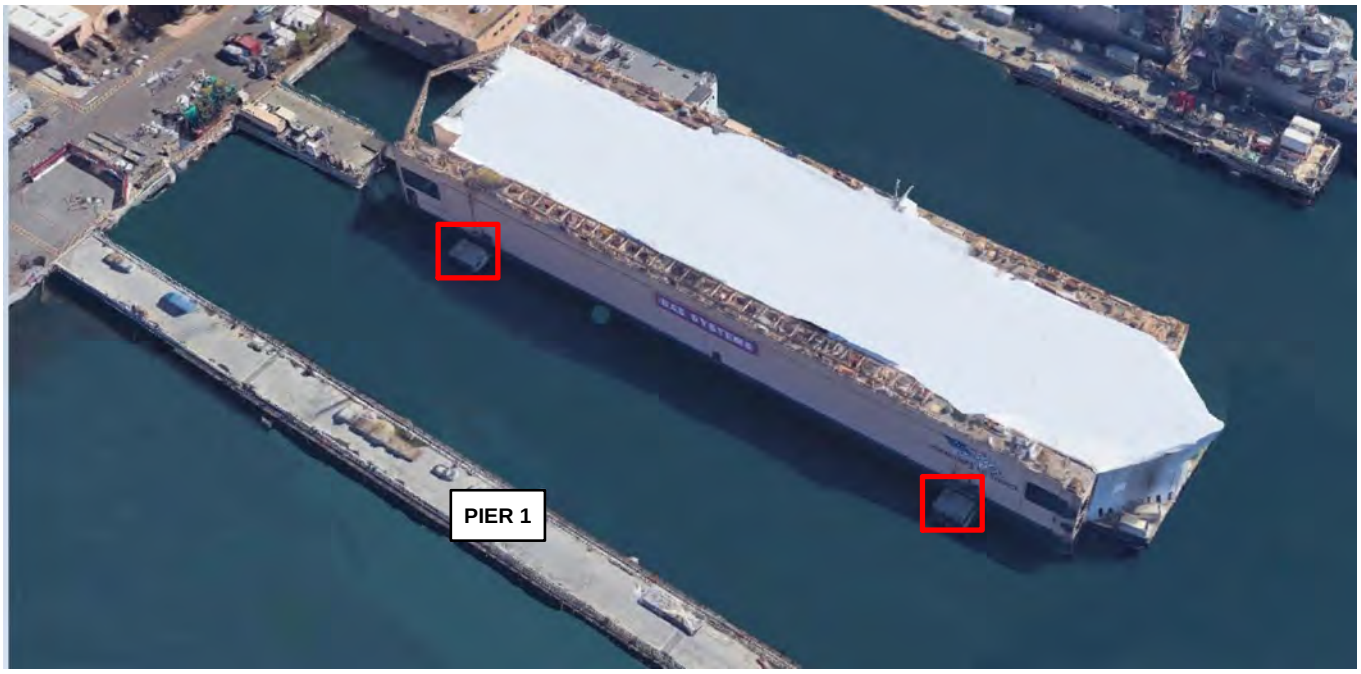
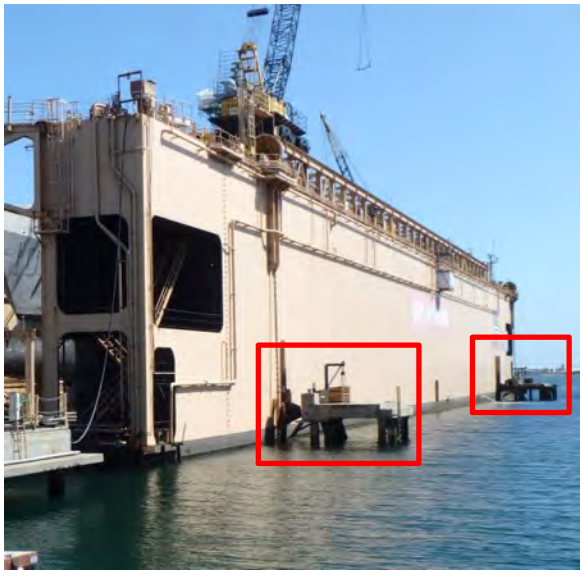


Photo of existing Pride of San Diego mooring dolphins to be demolished in-way-of new Pride of San Diego mooring dolphin construction.



Existing Pride of San Diego dolphins to be demolished for new dolphin construction



Existing Pride of San Diego dolphin to be demolished for new dolphin construction

\\PDCCITRDSGIS1\San Diego\projects\Port of San Diego\00216 18 BAE Systems\Figures\Doc\EIS\Fig03 2 Photos DryDockDredgingMooring.mxd Date: 11/13/2018 24991

Figure 4
Project Element 1: Pride of San Diego Dry Dock Dredging / Mooring
BAE Systems Waterfront Improvement Project

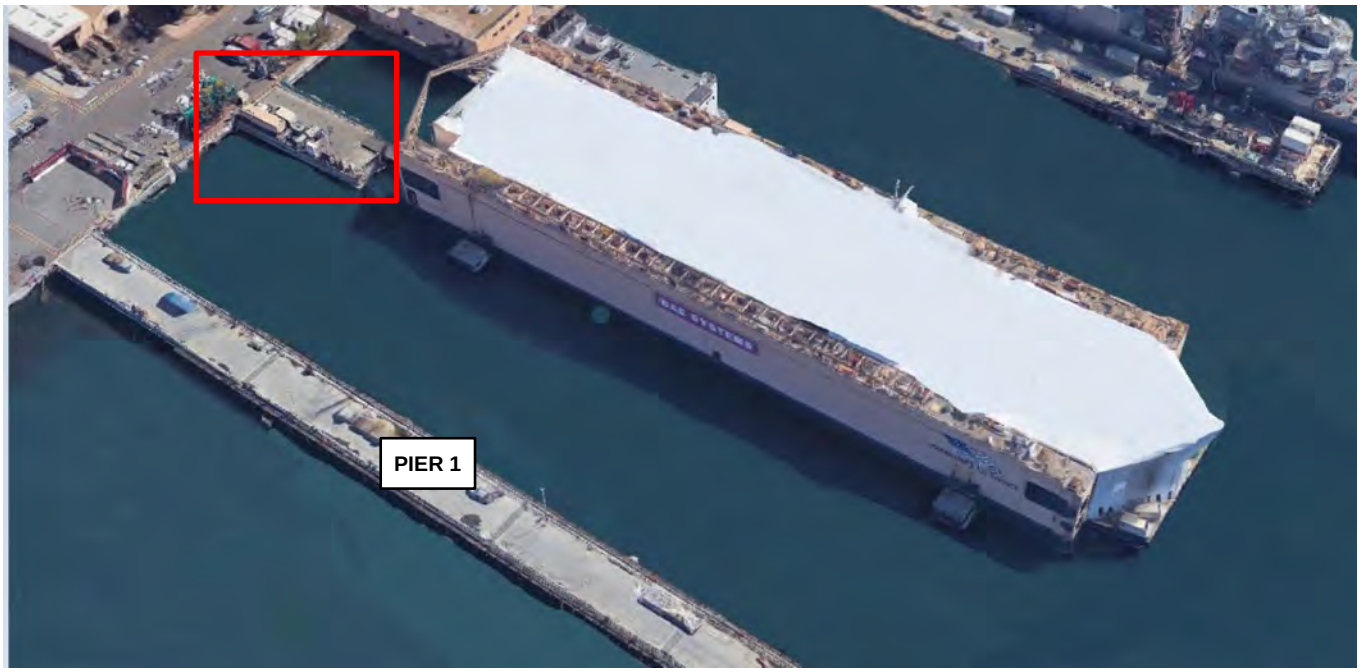
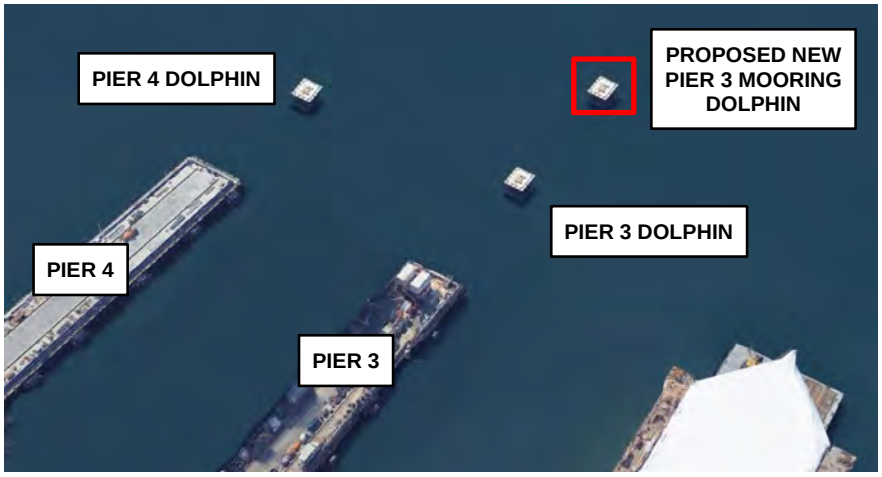


Photo of existing Pride of San Diego ramp wharf to be demolished in-way-of new extended wharf structure.



Approximate location of new pier 3 mooring dolphin



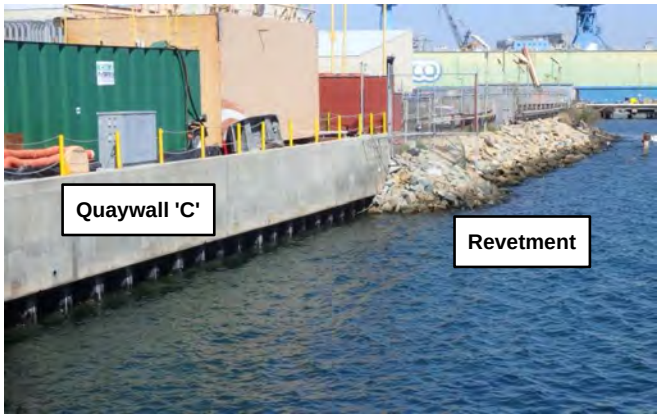
Existing pier 3 mooring dolphin; proposed new dolphin would consist of same design

\\PDCCITRDSGIS1\San Diego\projects\Port of San Diego\00216 18 BAE Systems\Figures\Doc\EIS\Fig03 3 Photos Wharf Pier3 MooringDolphin.mxd Date: 11/13/2018 24991

Figure 5
Project Element 2: Pride of San Diego Wharf Replacement / Realignment and Project Element 5: Pier 3 Mooring Dolphin
BAE Systems Waterfront Improvement Project



Pier 3 break area and outline of proposed wharf structure



Pier 4 South Quaywall, looking towards south property line

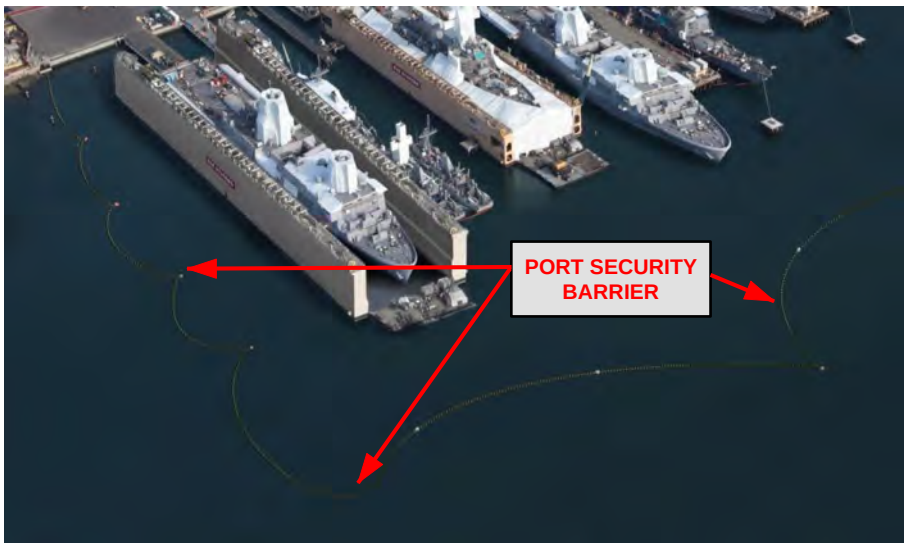


Subsurface and sloped revetment to be removed

\\PDCCITRDSGIS1\San Diego\projects\Port of San Diego\00216 18 BAE Systems\Figures\Doc\EIS\Fig03 4 Photos Pier3 Lunchroom1 Quaywall.mxd Date: 11/13/2018 24991

Figure 6
Project Element 6: Pier 3 Lunchroom Wharf Replacement / Realignment and
Project Element 7: Quaywall Modifications at South End of Property
BAE Systems Waterfront Improvement Project

\\PDCCITRDSGIS1\San Diego\projects\Port of San Diego\00216 18 BAE Systems\Figures\Doc\EIS\Fig03 5 Photos PSB Replacement.mxd Date: 11/13/2018 24991



Existing Port Security Barrier (PSB) perimeter around facility waterfront

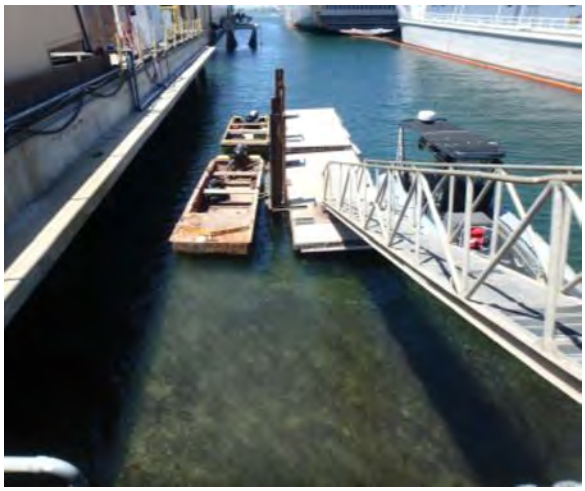


Proposed PSB Barrier (float sections spanning waterway)



Proposed PSB buried conc. anchor block & mooring buoy

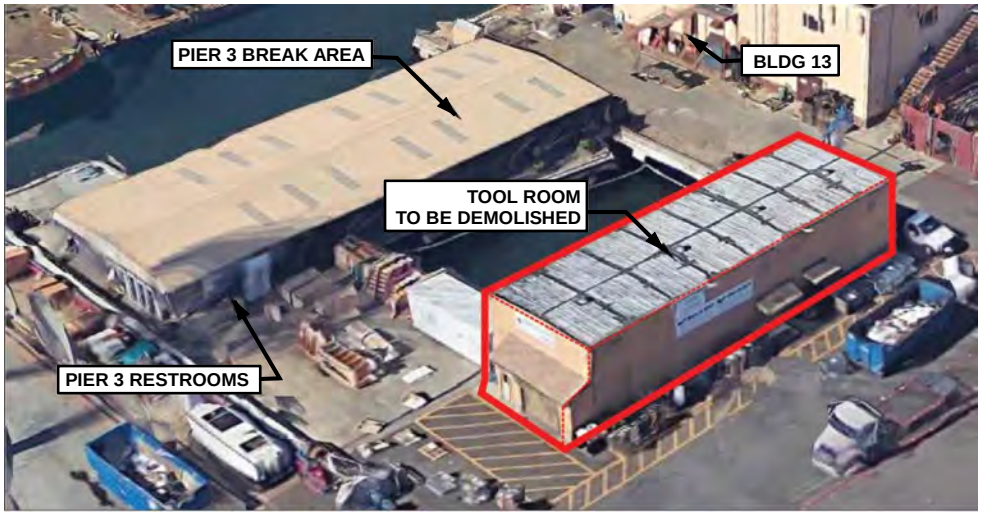
Figure 7
Project Element 8: Port Security Barrier (PSB) Replacement
BAE Systems Waterfront Improvement Project



Existing small craft float



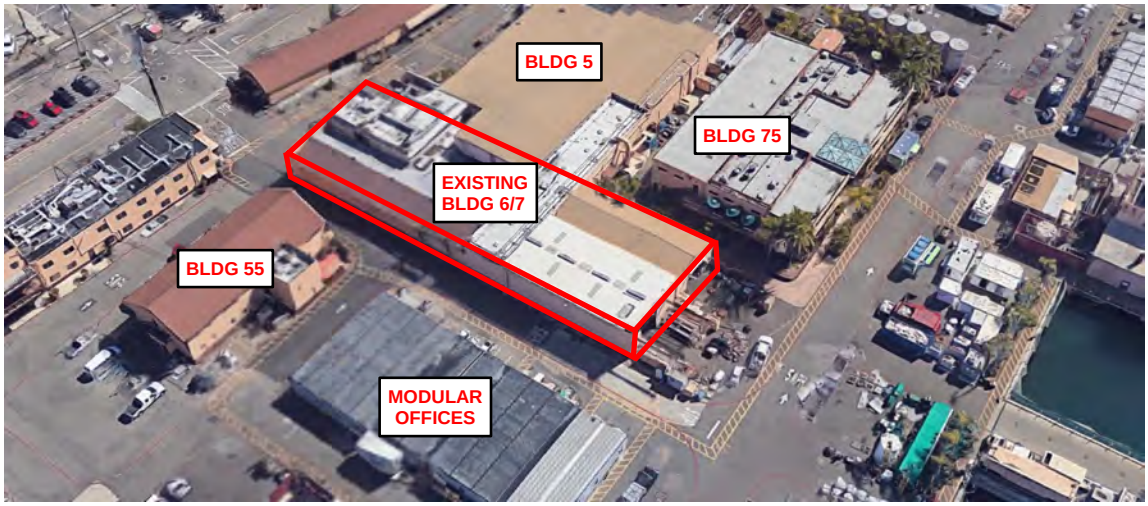
Concrete float concept design mockup



Location of existing tool room to be demolished and incorporated into proposed wharf structure building.

\\PDCCITRDSGIS1\San Diego\projects\Port of San Diego\00216 18 BAE Systems\Figures\Doc\EIS\Fig03 6 Photos SmallBoatMooring CentralToolRoom.mxd Date: 11/13/2018 24991

Figure 8
Project Element 9: Small Boat Mooring Float Replacement and
Project Element 10: Central Tool Room Replacement / Relocation
BAE Systems Waterfront Improvement Project



Location of existing bldg 6 & 7 to be demolished in-way-of new production building in similar footprint



Bldg 6/7 (east) to be demolished in-way-of new prod. bldg.



Bldg 6/7 (west) to be demolished in-way-of new prod. bldg.

\\PDCCITRDSGIS1\San Diego\projects\Port of San Diego\00216 18 BAE Systems\Figures\Doc\EIS\Fig03 7 New ProductionBldg.mxd Date: 11/13/2018 24991

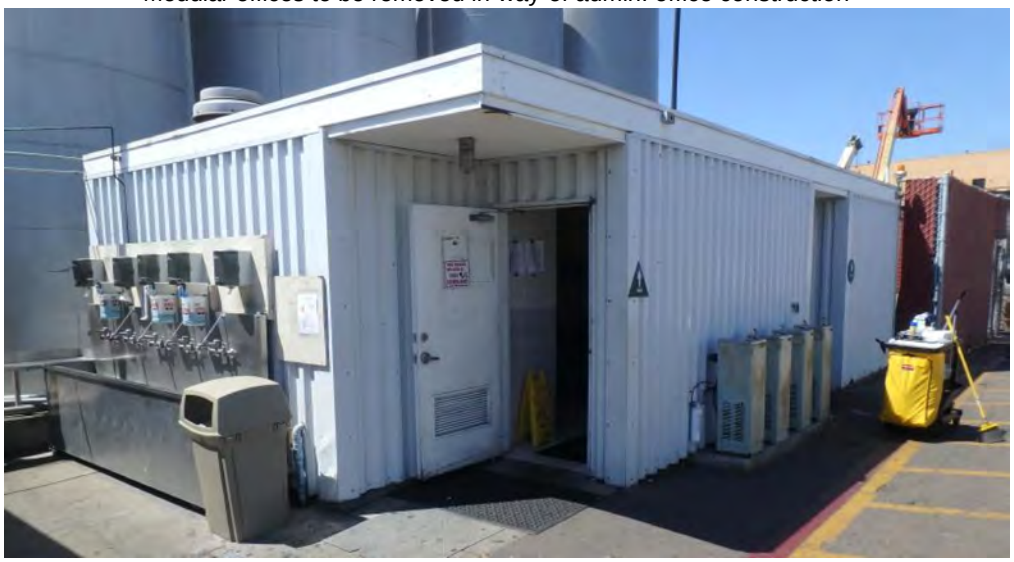
Figure 9
Project Element 11: New Production Building
BAE Systems Waterfront Improvement Project



Existing modular offices footprint of new admin. office complex



Modular offices to be removed in-way-of admin. office construction



Existing pier 1 restroom to be demolished and incorporated into new admin complex

\\PDCCITRDSGIS1\San Diego\projects\Port of San Diego\00216 18 BAE Systems\Figures\Doc\EIS\Fig03 8 Administrative Office Pier1Restroom.mxd Date: 11/13/2018 24991

Figure 10
Project Element 12: Administrative Office Complex and Project Element 13: Pier 1 Restroom Demolition
BAE Systems Waterfront Improvement Project

\\PDCCITRDSGIS1\San Diego\projects\Port of San Diego\00216 18 BAE Systems\Figures\Doc\EIS\Fig03 2 Existing Prop Vessel Layout.mxd Date: 9/21/2018 24991

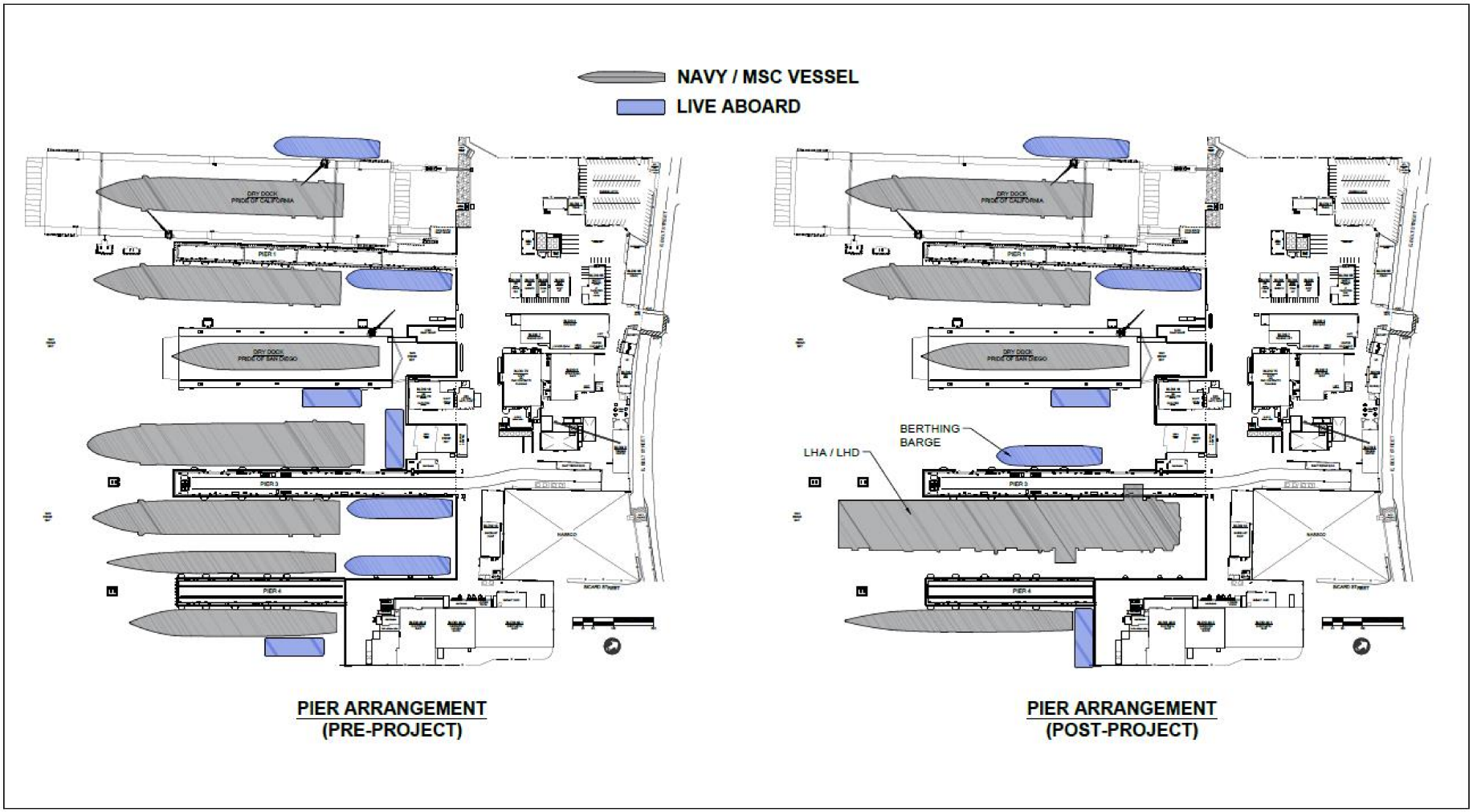


Figure 11
Existing and Proposed Vessel Arrangement Pier Layout
BAE Systems Waterfront Improvement Project

Initial Study/Environmental Checklist

for the

BAE Systems Waterfront Improvement Project

Prepared for

San Diego Unified Port District

March 2019

Contents

Initial Study/Environmental Checklist 1
Environmental Factors Potentially Affected 2
Determination 2
Evaluation of Environmental Impacts 3
I. Aesthetics 4
II. Agricultural and Forestry Resources 7
III. Air Quality 9
IV. Biological Resources 11
V. Cultural Resources 14
VI. Geology and Soils 17
VII. Greenhouse Gas Emissions 20
VIII. Hazards and Hazardous Materials 21
IX. Hydrology and Water Quality 25
X. Land Use and Planning 29
XI. Mineral Resources 31
XII. Noise 32
XIII. Population and Housing 35
XIV. Public Services 36
XV. Recreation 38
XVI. Transportation/Traffic 39
XVII. Tribal Cultural Resources 42
XVIII. Utilities and Service Systems 44
XIX. Mandatory Findings of Significance 48
References 50
Document Preparation 52

Tables

Table IS-1. Lead Agency – Unified Port of San Diego 52
Table IS-2. List of Initial Study Preparers and Contributors 52

Acronyms and Abbreviations

AB	Assembly Bill
ALUCP	Airport Land Use Compatibility Plan
BMPs	Best Management Practices
CARB	California Air Resources Board
CCC	California Coastal Commission
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CNDDB	California Natural Diversity Database
CWA	Clean Water Act
District	San Diego Unified Port District
DOT	Department of Transportation
DTSC	California Department of Toxic Substances Control
EIR	environmental impact report
FAA	Federal Aviation Administration
GHG	greenhouse gas
HPD	San Diego Harbor Police Department
INRMP	Integrated National Resources Management Plan
JRMP	District's Jurisdictional Runoff Management Program
mgd	million gallons per day
MHPA	Multi-Habitat Planning Area
MSCP	Multiple Species Conservation Program
NAS	Naval Air Station
NOAA	National Oceanic and Atmospheric Administration
OES	Office of Emergency Services
PDP	priority development project
PM10	particulate matter of 10 microns in diameter or smaller
PM2.5	particulate matter of 2.5 microns in diameter or smaller

PRC	Public Resources Code
PSB	Port Security Barrier
PUD	Public Utilities Department
RAQS	Regional Air Quality Strategy
RCRA	Resource Conservation and Recovery Act
Regional Plan	San Diego Forward: The Regional Plan
SANDAG	San Diego Association of Governments
SDAPCD	San Diego Air Pollution Control District
SDFD	City of San Diego Fire-Rescue Department
SDIA	San Diego International Airport
SDMC	San Diego Marine Construction Company
SIP	State Implementation Plan
SLC	State Lands Commission
SR-	State Route
SWM	Southwest Marine, Inc.
SWRCB	State Water Resources Control Board
TCRs	Tribal Cultural Resources
VHFHSZ	Very High Fire Hazard Severity Zones
VOCs	volatile organic compounds

Initial Study/Environmental Checklist

1. Project Title:	BAE Systems Waterfront Improvement Project
2. Lead Agency Name and Address:	San Diego Unified Port District Post Office Box 120488 San Diego, CA 92112 0488
3. Contact Person and Phone Number:	Joseph Smith, Department Manager (619) 686-6597
4. Project Location:	2205 E. Belt Street San Diego, CA 92113
5. Project Sponsor's Name and Address:	BAE Systems San Diego Ship Repair Inc. 2205 E. Belt Street San Diego, CA 92113
6. Port Master Plan Designation:	Planning District 4 Land Use Designation: Marine Related-Industrial Water Use Designation: Specialized Berthing
7. Zoning:	See #6 above.
8. Description of Project:	BAE Systems San Diego Ship Repair Inc. proposes to replace aging structures, improve existing infrastructure, increase space utilization, and increase efficiency of operations at the BAE Systems San Diego Ship Repair Yard. These improvements would allow for newer and different classes of vessels to be moored and repaired on site. The proposed project includes 15 distinct project elements to replace, realign, or improve the existing operational elements.
9. Incorporation by Reference:	This Initial Study and the Environmental Impact Report (EIR) for the proposed project will incorporate by reference the Final EIR for the Pier 1 North Drydock, Associated Real Estate Agreements and Removal of Cooling Tunnels Project (Pier 1 North Drydock) (UPD #EIR-2014-31, SCH#2014041071) Volumes 1–4, certified and adopted by the Board of Port Commissions in November 17, 2015, by Resolution Number 2015-152. The Pier 1 North Drydock, Associated Real Estate Agreements and Removal of Cooling Tunnels Project Final EIR is available at the Office of the District Clerk located at 3165 Pacific Highway, San Diego, CA 92101.
10. Other Public Agencies Whose Approval Is Required:	U.S. Army Corps of Engineers issuance of Clean Water Act (CWA) Section 404 permit and Section 10, Rivers and Harbors Act Permit; U.S. Environmental Protection Agency (EPA) issuance of Ocean Dumping Permit; U.S. Coast Guard concurrence with Ocean Dumping Permit; National Marine Fisheries Service and U.S. Fish and Wildlife Service concurrence with Ocean Dumping Permit; Regional Water Quality Control Board issuance of CWA Section 401 Certification; California Coastal Commission issuance of Coastal Development Permit; State Lands Commission issuance of lease; City of San Diego issuance of ministerial permits.

Environmental Factors Potentially Affected

The environmental factors checked below would potentially be affected by this project (i.e., the project would involve at least one impact that is a "Potentially Significant Impact"), as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agricultural and Forestry Resources	☒ Air Quality
☒ Biological Resources	☐ Cultural Resources	☐ Geology and Soils
☒ Greenhouse Gas Emissions	☒ Hazards and Hazardous Materials	☒ Hydrology and Water Quality
☒ Land Use and Planning	☐ Mineral Resources	☒ Noise
☐ Population and Housing	☐ Public Services	☐ Recreation
☒ Transportation	☐ Tribal Cultural Resources	☒ Utilities and Service Systems
☒ Mandatory Findings of Significance		

Determination

On the basis of this initial evaluation:

☐ I find that the Proposed Project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.

☐ I find that although the Proposed Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.

☒ I find that the Proposed Project MAY have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.

☐ I find that the Proposed Project may have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the Proposed Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed upon the Proposed Project, nothing further is required.

Signature: Wileen O Manaois Date: March 5, 2019

Wileen Manaois
Director, Development Services

Evaluation of Environmental Impacts

The following discussion addresses impacts on various environmental resources, per the Environmental Checklist Form contained in Appendix G of the State CEQA Guidelines.

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects such as the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained if it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3. Once the lead agency has determined that a particular physical impact may occur, the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an environmental impact report (EIR) is required.

4. "Negative Declaration: Less-than-Significant Impact with Mitigation Incorporated" applies when the incorporation of mitigation measures has reduced an effect from a "Potentially Significant Impact" to a "Less-than-Significant Impact." The lead agency must describe the mitigation measures and briefly explain how they reduce the effect to a less-than-significant level.

5. Earlier analyses may be used if, pursuant to tiering, program EIR, or other California Environmental Quality Act (CEQA) process, an effect has been adequately analyzed in an earlier EIR or negative declaration (Section 15063(c)(3)(D)). In this case, a brief discussion should identify the following:

    a. Earlier Analysis Used. Identify and state where earlier analyses are available for review.

    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards and state whether such effects were addressed by mitigation measures based on the earlier analysis.

    c. Mitigation Measures. For effects that are "Less than Significant with Mitigation Incorporated," describe the mitigation measures that were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, when appropriate, include a reference to the page or pages where the statement is substantiated.

7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9. The explanation of each issue should identify:

    a. The significance criteria or threshold, if any, used to evaluate each question; and

    b. The mitigation measure identified, if any, to reduce the impact to a less-than-significant level.

I. Aesthetics

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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 scenic highway?	☐	☐	☒	☐
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	☐	☐	☒	☐
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Have a substantial adverse effect on a scenic vista?

Less-than-Significant Impact. The project site is located in the San Diego Unified Port District's (District's) jurisdiction, within the urban setting of downtown San Diego. The visual character of the project site and surrounding area is defined by the existing industrial uses, proximity to Coronado and the San Diego–Coronado Bay Bridge, and the commercial and residential uses in the adjacent community of Barrio Logan. Views of the project site from nearby surrounding areas include large ships, working piers, berths, security fencing, lighting, and dry docks.

Scenic vistas within the project vicinity are designated in the District's Port Master Plan (PMP), which provides a framework for the consideration of vistas areas that have been recognized as scenic and visually important to the area and the region. The PMP considers the scenic quality of the land within its jurisdiction and establishes District policies for maintenance of important views. Within many of its precise plans, the District has identified vista areas—key viewpoints from which to enjoy the scenic beauty of the Bay and other visible District features. Vista areas within the District's jurisdiction are identified on the PMP's precise plans by arrow symbols, which are placed on the vista areas and pointed toward the intended view. The Public Recreation portion of Section III of the PMP explains that these symbols identify "points of natural visual beauty, photo vantage points, and other panoramas. It is the intent [of the PMP] to guide the arrangement of development on those sites to preserve and enhance such vista points."

The proposed project is located in Planning District 4 of the adopted PMP, which does not contain any designated vista areas (see Figure 13 of the PMP). The nearest designated vistas are in Planning District 3 (Centre City/Embarcadero), approximately 1.3 miles northwest of the project site on the same (east) side of the San Diego Bay, and Planning District 6 (Coronado Bayfront), located approximately 1.3 miles west of the project site across the Bay. Within Planning District 3, there is a designated vista area near the San Diego Convention Center that faces west, toward the bay and Coronado beyond that. The project site is southeast of this designated vista area. No views of the project site exist from this vista area, and none would be affected by the proposed project. Within Planning District 6, areas near First Street and Orange Avenue with westerly views of downtown San Diego from Coronado have been designated as vista areas; however, no views of the project site are available from this vista area. Additionally, designated scenic vistas along Second and Third Streets contain brief, but mostly obstructed, views of the project site. Moreover, the 33-acre project site (12 acres of land and 21 acres of water from the District) is only a small portion of the viewshed from Coronado, with the project site in character with the naval shipyards immediately to the southeast. Therefore, the existing views from Coronado would not substantially change

with implementation of the proposed project, and impacts on scenic vistas would be less than significant. No further discussion is warranted in the EIR.

b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?

Less-than-Significant Impact. The San Diego–Coronado Bay Bridge (State Route [SR-] 75) is a California State-designated scenic highway, located just north of the project site, which spans the Bay, connecting the City of San Diego to the City of Coronado (DOT 2018). Existing long-distance views of the downtown San Diego area from the San Diego–Coronado Bay Bridge are dominated by a mix of high-rise residential, commercial, and urban developments; while views of the project site and surrounding area include a variety of maritime industrial facilities (such as storage structures, large vessels, docks, piers, cranes, trucks, and other large pieces of shipping equipment) associated with the existing ship repair yard and Tenth Avenue Marine Terminal (TAMT). From SR-75, the project site appears in the foreground of adjacent industrial uses and behind the water of San Diego Bay. Ships, silos, warehouses, and heavy industrial machinery are visible under existing conditions. Views of the site include piers, large ships, mooring dolphins, permanent and modular buildings, and associated equipment at the site.

Implementation of the proposed project is not anticipated to damage scenic resources, such as trees or rock outcroppings along a scenic highway, because there are no such resources at the project site. Visual changes associated with the project would include the addition of mooring dolphins, Quay Wall modifications, and replacement of existing structures and piers. Although these visual changes would be at least partially visible from portions of SR-75, they would not be readily noticeable because of the distance between the site and SR-75. Additionally, the project site is currently dominated by industrial uses and facilities, and would continue to be industrial in nature upon project completion. Furthermore, motorists traveling on SR-75 would generally be focused on the roadway in front of them. Their southerly views while traveling westbound or eastbound would not be prolonged, and viewer sensitivity to the proposed changes would be low. The proposed additions at the project site would be similar in size, color, and scale as elements of the existing developed site, which would continue to appear as a working ship repair yard. While Project Elements 10 (Central Tool Room Demolition and Reconstruction), 11 (New Production Building), and 12 (Administration Office Building) propose to increase the height of the existing 1-story structures to 3-story structures, several 2-story structures and larger cranes are already located on the project site, and there are large industrial tanks, cranes, and large structures in the surrounding area. Due to the height of existing features in the background such as cranes and tanks, the proposed project would be compatible with the surrounding area and would not substantially degrade the existing view. Therefore, impacts on designated scenic highways would be less than significant, and no further discussion is warranted in the EIR.

c. Substantially degrade the existing visual character or quality of the site and its surroundings?

Less-than-Significant Impact. The proposed project would be within an area of the District that is developed entirely with industrial and maritime uses. The proposed project's improvements to existing infrastructure to increase space utilization and increase efficiency of operations would be consistent with the site and surrounding area's existing industrial visual character and quality, and the project site would continue to appear as a working ship repair yard. As discussed above in response to question I.b, the project components would be similar in color, size, bulk, and scale to existing structures at the project site and in the surrounding vicinity. While Project Elements 10 (Central Tool Room Demolition and Reconstruction), 11 (New Production Building), and 12 (Administration Office Building) propose to increase the height of the existing 1-story structures to 3-story structures, several 2-story structures and larger cranes are already located on the project site, and there are large industrial tanks, cranes, and structures in the surrounding area. Due to the height of existing features in the background, such as cranes and tanks, the proposed project would be compatible with the surrounding area and would not be discernable from the surrounding industrial development. Similarly, the proposed waterside project elements would be compatible with other surrounding in-water structures and facilities and would typically involve the replacement of existing structures with new structures that would be similar in size and appearance. Therefore, the proposed project would have less-than-significant impacts on the visual character and quality of the surrounding area, and no further discussion is warranted in the EIR.

d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less-than-Significant Impact. The project site is an existing shipyard repair facility, which currently provides lighting inside, and security lighting outside of, the existing structures. The proposed project would not require the installation of new outdoor lighting that could affect nighttime views. The proposed project would augment existing exterior lighting with lighting on the proposed equipment necessary to provide adequate illumination to safely access the equipment and provide security. All new lighting would be aimed toward the facility with the necessary shrouds to limit spill light. In addition, implementation of the project elements would not result in the installation of buildings or structures with highly reflective materials. The new replacement lighting would be consistent with the type of marine industrial lighting that currently exists on the site, as well as up and down the eastern San Diego Bay shoreline. Furthermore, none of the operational changes associated with the proposed project would generate new sources of substantial lighting or glare. Therefore, lighting and glare-related impacts from the proposed project would be less than significant, and no further discussion is warranted in the EIR.

II. Agricultural and Forestry Resources

In determining whether impacts on agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts on forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

Would the project?	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, 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 established by State CEQA Guidelines, Appendix G.

Would the project:

a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. The project site is located entirely within the District. According to the California Department of Conservation's San Diego County Important Farmland 2016 map, the project site is classified as "Urban and Built-Up Land" and "Other Land," which do not contain agricultural uses or areas designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (DOC 2016). Construction of any of the project elements would not impact Prime Farmland, Unique Farmland, or Farmland of Statewide Importance and there is no potential for any actions to convert farmland resources to nonagricultural uses. Similarly, no components of the proposed project would convert farmland resources to nonagricultural uses once operational. No impact would occur, and no further discussion is warranted in the EIR.

b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The project site is not zoned for agricultural use, nor is there a Williamson Act contract for the site (DOC 2013). Therefore, the proposed project would not conflict with existing zoning for agricultural use or a Williamson Act contract, and no impact would occur. No further discussion is warranted in the EIR.

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))?

No Impact. The project site is classified as "Urban and Built-Up Land" and is not zoned as forest land, timberlands, or timberland zoned Timberland Production (DOC 2016). No land that has been zoned as forest land or timberland exists within the boundaries of the project site. No impact would occur, and no further discussion of this topic is warranted in the EIR.

d. Result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. As discussed under question II.c, no land that has been zoned as forest land or timberland exists within the boundaries of the project site. Implementation of any of the project elements would not result in a loss of forest land or the conversion of forest land to other uses. No impact would occur, and no further discussion of this topic is warranted in the EIR.

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?

No Impact. See question II.a. Implementation of the proposed project would have no impact on agriculture and/or forestry resources. No agricultural land, forest land, or timberland exists on or in the vicinity of the project site. The proposed project would not involve changes to the existing environment that, because of their location or nature, could result in the conversion of Farmland to nonagricultural use or forest land to non-forest use. No impact would occur and no further discussion is warranted in the EIR.

III. Air Quality

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.				
a. Conflict with or obstruct implementation of the applicable air quality plan?	☒	☐	☐	☐
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☒	☐	☐	☐
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	☒	☐	☐	☐
d. Expose sensitive receptors to substantial pollutant concentrations?	☒	☐	☐	☐
e. Create objectionable odors affecting a substantial number of people?	☒	☐	☐	☐

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Conflict with or obstruct implementation of the applicable air quality plan?

Potentially Significant Impact. The San Diego County Air Pollution Control District (SDAPCD) is required, pursuant to the federal and state Clean Air Acts, to reduce emissions of criteria pollutants for which the County is in nonattainment (i.e., ozone, particulate matter of 10 microns in diameter or smaller [PM10], and particulate matter of 2.5 microns in diameter or smaller [PM2.5]). The Regional Air Quality Strategy (RAQS) projects future emissions and determines the strategies necessary for the reduction of stationary source emissions through regulatory controls to attain the CAAQS for ozone. The federal Clean Air Act also mandates that the state submit and implement a State Implementation Plan (SIP) for local areas not meeting those standards. California Air Resources Board (CARB) mobile source emission projections and San Diego Association of Governments (SANDAG) growth projections are based on population and vehicle trends and land use plans developed by local agencies. As such, projects that propose development that is consistent with the growth anticipated by the relevant land use plans that were used in the formulation of the RAQS and SIP would be consistent with the RAQS and SIP. The PMP is the governing land use document for physical development under the jurisdiction of the District. Therefore, projects that propose development consistent with growth anticipated by the current PMP are considered consistent with the RAQS and SIP. Moreover, in the event that a project proposes development that is less dense than anticipated within a general plan (or other governing land use document such as the PMP), the project would likewise be consistent with the RAQS and SIP because emissions would be less than estimated for the existing PMP. If a project proposes development that is greater than that anticipated in the PMP and SANDAG's growth projections, the project would be in conflict with the RAQS and SIP, and might have a potentially significant impact on air quality because emissions would exceed those estimated for the existing PMP. Because the proposed project would have potential operational changes, further analysis will be provided in the EIR.

b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Potentially Significant Impact. Implementation of the proposed project has the potential to result in air quality impacts through the use of heavy-duty construction equipment, construction worker vehicle trips, truck haul and material delivery trips, off-gassing from paving activities, dredging activities, and fugitive dust from demolition and grading activities. Mobile-source criteria pollutant emissions would result from the use of construction equipment and vehicles, and re-paving would result in emissions of volatile organic compounds (VOCs) associated with off-gassing. While the proposed project would result in no new berthing space, it would replace and improve facilities that would increase the efficiency of operations and allow for newer and larger Navy vessels to be accommodated compared to existing conditions. These improvements may change operational activities, resulting in new or different sources of emissions. Therefore, this issue area will be analyzed in the EIR.

c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

Potentially Significant Impact. The San Diego Air Basin (SDAB) is in nonattainment status for ozone (8-hour standard) at the federal and state level; and for ozone (1-hour standard), PM10, and PM2.5 at the State level. Implementation of the proposed project could result in a cumulatively considerable net increase in these criteria pollutants. Therefore, further discussion will be provided in the EIR.

d. Expose sensitive receptors to substantial pollutant concentrations?

Potentially Significant Impact. Sensitive receptors in the area are primarily the residential, school, and park areas east of the project site in the Barrio Logan neighborhood. Construction and operation of the proposed project elements could result in criteria pollutant and toxic air contaminants (TAC) emissions in different quantities than existing conditions. Activities associated with each project element would include diesel equipment activity near existing sensitive receptors, both within the project site and in surrounding neighborhoods. Implementation of the proposed project may result in new or different sources of emissions. Therefore, this issue area will be analyzed in the EIR.

e. Create objectionable odors affecting a substantial number of people?

Potentially Significant Impact. According to CARB's *Air Quality and Land Use Handbook* (2005), land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting facilities, refineries, landfills, dairies, and fiberglass molding facilities. The proposed project does not include any uses identified by CARB as being associated with odors. However, construction activities may involve odors from diesel exhaust, asphalt paving, and the use of any architectural coatings; also, during operations odors could occur with diesel exhaust from trucks as well as any solvents used during ship building and repair. Impacts are potentially significant, and this topic will be analyzed further in the EIR.

IV. Biological Resources

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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 California Department of Fish and Game or U.S. Fish and Wildlife Service?	☒	☐	☐	☐
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☒	☐	☐	☐
c. Have a substantial adverse effect on Federally protected wetlands as defined by Section 404 of the Clean Water Act (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 native 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?	☒	☐	☐	☐

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

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 California Department of Fish and Game or U.S. Fish and Wildlife Service?

Potentially Significant Impact. The California Natural Diversity Database (CNDDB) was reviewed to identify special-status species that are known to occur within 1 mile of the project site. Eleven special-status plant species and 14 special-status wildlife species have been recorded within 1 mile of the project site. Due to the industrial nature of the proposed project site, special-status plant species are not present. However, due to the project site's proximity to San Diego Bay and downtown San Diego there is potential for American peregrine falcon, California brown pelican, and California least tern (all of which are state

fully protected species) to occur on the landside portion of the project site. For the marine portion of the project, there is potential for green sea turtle, coastal bottlenose dolphin, and common dolphin. While these occurrences are likely transient in nature, green sea turtle is federally threatened, and both dolphin species are protected under the Marine Mammal Protection Act. Construction activities at the project site could result in a significant impact on these special-status wildlife species.

Dredging activities are planned for Project Elements 1 (Pride of San Diego Drydock), 4 (Pier 3 South Nearshore Dredging), and 7 (Quay Wall Modifications) to remove sediment that has accumulated at these locations. Dredging has the potential to elevate turbidity within the project area, which may impact California least tern and California brown pelican foraging. In addition to elevated turbidity, in-water noise associated with dredging may have negative impacts on green sea turtle and both dolphin species.

Because there are potential impacts related to implementation of the proposed project elements, a full analysis will be provided in the EIR to determine if a significant impact would occur on candidate, sensitive, or special-status species.

b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Potentially Significant Impact. The landside portion of the project site consists entirely of developed land; there are no sensitive vegetation communities or areas of riparian habitat on site. The vegetated, shallow subtidal habitat of San Diego Bay is dominated by eelgrass. Eelgrass beds function as important habitat for a variety of invertebrate, fish, and avian species. Although eelgrass is not a threatened or endangered species, it is considered essential fish habitat and a Habitat Area of Particular Concern under the Magnuson-Stevens Fishery Management and Conservation Act, the federal legislation that protects waters and substrates necessary for fish spawning, breeding, feeding, or growth to maturity. Because of its designation as a habitat area of particular concern and its notable contributions to ecological processes, it is also protected under the Clean Water Act (CWA) and is managed by the National Oceanic and Atmospheric Administration (NOAA) in California through adherence to the California Eelgrass Mitigation Policy (NOAA 2014). Given the abundance of eelgrass within San Diego Bay, its preferred habitat in shallow water (typically near shore), and its designation as a habitat area of particular concern, there is a potential for in-water construction and operational activities associated with the proposed project to result in impacts on eelgrass potentially present within or adjacent to the project site. These impacts would be potentially significant; therefore, further analysis is warranted in the EIR.

c. Have a substantial adverse effect on Federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. The project site consists of developed land as well as open water. Based on a review of aerial images (NETR 2018) as well as site visit conducted on April 17, 2018, the project site does not contain federally protected wetlands as defined under Sections 401 and 404 of the CWA or state wetlands protected under the California Coastal Act; therefore, the proposed project would not impact federally protected wetlands and no further discussion is warranted in the EIR.

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 native wildlife nursery sites?

Potentially Significant Impact. The landside portion of the project site consists entirely of developed land, and there are no wildlife corridors within the project site (District 2015). Native species present on site are limited to those that commonly occur in heavily developed areas. Such species would not be substantially affected by the proposed project. Additionally, because the project site is an existing ship repair yard developed entirely with industrial and maritime uses, it would not function as a wildlife corridor or a nursery site. Furthermore, the City of San Diego Multiple Species Conservation Program (MSCP) Subarea Plan and District's Integrated National Resources Management Plan (INRMP) do not identify any wildlife

corridors or nursery sites within the project site (City of San Diego 1997; District 2013). The waterside portion of the project site consists primarily of open water. However, as discussed above under question IV.b, in-water construction work associated with the proposed project would have the potential to result in impacts on eelgrass potentially present within or adjacent to the project site. Eelgrass beds function as important habitat for a variety of invertebrate, fish, and avian species, including serving as nursery sites for numerous fish species. Construction and operational activities associated with the proposed project could result in increased levels of turbidity or accidental damage to eelgrass beds, which could impact nursery habitat for fish species. Impacts would be potentially significant, and further analysis is warranted in the EIR.

e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Potentially Significant Impact. The City of San Diego MSCP Subarea Plan does not apply to projects within the District's jurisdiction, nor is any City of San Diego Multi-Habitat Planning Area (MHPA) present within the District's jurisdiction or adjacent to the project site. The project site is several miles outside the boundary of the closest MHPA, which is the planned habitat preserve within the City of San Diego MSCP Subarea.

The applicable local land use plans, policies, ordinances, or regulations of the District, adopted for the purpose of protecting biological resources, are the PMP, San Diego Unified Port District Code, and the District's INRMP. The District and the U.S. Navy Southwest Division maintain and implement the INRMP, which catalogues the plant and animal species around the Bay and identifies habitat types to ensure the long-term health, recovery, and protection of San Diego Bay's ecosystem in concert with economic, Naval, recreational, navigational, and fisheries needs. Additionally, the District has established goals to protect, preserve, and enhance natural resources in San Diego Bay in Section II of the PMP, *Planning Goals* (Goal XI). The project site is located within the District's PMP Planning District 4. The PMP's conservation policies focus on protecting and restoring functional areas of high ecological value, none of which are located within or adjacent to the project site. However, the proposed project includes in-water work that has the potential to result in significant impacts on biological resources of the San Diego Bay. Therefore, the proposed project would potentially conflict with local policies or ordinances protecting biological resources. Impacts would be potentially significant, and, further analysis is warranted in the EIR.

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?

Potentially Significant Impact. The project site is within the City of San Diego MSCP boundaries, although it is several miles beyond the closest City of San Diego MHPA, which is the planned habitat preserve within the MSCP Subarea Plan. However, the MSCP Subarea Plan does not apply to projects within the jurisdiction of the District, including the proposed project.

As previously mentioned, the District and the U.S. Navy Southwest Division maintain the INRMP, which aims to ensure the long-term health, recovery, and protection of San Diego Bay's ecosystem. In-water work associated with the proposed project has the potential to result in significant impacts on biological resources of the San Diego Bay. Therefore, development of the proposed project will be reviewed with the goals and intent of the INRMP and a more detailed analysis will be provided in the EIR.

V. Cultural Resources

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐
d. Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☐	☒	☐

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?

No Impact. The project site was developed as a marine ship construction and repair facility beginning in 1915. That year, the San Diego Marine Construction Company (SDMC) leased tidelands at the foot of Sampson Street to establish such a facility. The lease allowed SDMC to reclaim tidelands at this location by extracting fill material from the adjacent bay but not by transporting fill to the site from elsewhere. By the end of the 1960s, the project site was an approximately 50-year-old waterfront industrial complex where SDMC continued to construct and repair ships. In 1972, SDMC sold its lease on the property to a subsidiary of Campbell Industries that changed its name to the San Diego Marine Construction Company. In 1979, Southwest Marine, Inc. (SWM) acquired the property. SWM also acquired the ARCO (formerly Richfield Oil) marine fuel pier in 1982 and added the former National Pump & Injector Sales and Service leasehold to its facility in 1985. SWM changed its name to BAE Systems San Diego Ship Repair, Inc. in 2005 (Tetra Tech, Inc. 2016:9–10). As an industrial site for the construction and maintenance of marine vessels that has operated for over 100 years, the facility has been continually subject to physical alteration from maintenance activities and from replacement or repurposing of buildings and structures to accommodate the changing technology of shipbuilding.

To qualify as historical resources under CEQA, buildings or structures need to have historical significance as well as historical integrity with respect to their period of significance. While buildings or structures less than 50 years old sometimes qualify as historical resources under CEQA when they are exceptionally significant, this remains rare, and an overwhelming majority of historical resources are 50 years old or older. Although several buildings and structures at the BAE Systems site that would be physically altered by the proposed project incorporate elements that are 50 years old or older, those buildings and structures have been subject to substantial alteration. Limited portions of Pier 3 are over 50 years of age, but historic aerial photographs show that this pier was dramatically altered in the 1980s. A fairly narrow structure in the early 1990s, Pier 1 was altered into a much wider structure after 2000. The Production Building is an amalgamation of dissimilar structures that have been joined together over time prior to and during the last 50 years (NETR 2018). These built resources do not maintain historical integrity with respect to a discernable period of potential significance 50 years ago or earlier, and therefore are not considered historical resources under CEQA. For these reasons, the proposed project elements that would alter these buildings and structures, including Project Elements 3 (Fender System Repair and Replacement), 6 (Pier 3 Lunchroom Wharf Replacement and Realignment), and 11 (New Production Building) would not result in

an impact on any built resource with potential to qualify as a historical resource. Therefore, no impact would occur, and no further analysis is warranted in the EIR.

b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

No Impact. The entire project area consists of constructed fill or water. Analysis of historic maps shows that the historic shoreline in 1857 was to the east of the project area; therefore, no native soil is present in the project area. A record search was conducted on April 25, 2017, by South Coastal Information Center located on the San Diego State University campus. The record search revealed that no archaeological resources are present within the project area. Therefore, because the record search was negative and no native soils are present in the project area that could contain an intact archaeological deposit, no impact would occur. Accordingly, no further analysis is warranted in the EIR.

c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less-than-Significant Impact. The proposed project includes both landside and waterside improvements. Based on review of historic maps and a Geotechnical Report prepared for the BAE Pier 1 North Drydock Project EIR, the landside portion of the project site consists of modern fill approximately 8 to 10 feet deep (Terra Costa Consulting Group 2015), although specific depths are unknown. Below areas of fill, the bayfront is underlain by Bay Point Formation (Kennedy and Tan 2008). Bay Point Formation is a near-shore marine sedimentary deposit that dates from the late to middle Pleistocene, roughly 10,000 to 600,000 years ago. A tremendous variety of invertebrate and vertebrate fossils have been found in this deposit, including both marine and terrestrial animals, with mammoth and whale remains being some of the most significant. The formation is assigned high resource sensitivity in the City of San Diego's CEQA Significance Determination Thresholds. Pursuant to the City of San Diego's Municipal Code Chapter 14, Article 2, Division 11: Grading Regulations, any proposed excavation or other ground disturbing activities in a paleontological sensitive area would need to comply with the City's Municipal Code Section 142.0151; which requires paleontological resource monitoring when grading involves 1,000 cubic yards or greater, and results in 10 feet or greater in depth within in a highly sensitive formation. The City of San Diego's grading regulations stipulate treatment of any paleontological resources that are discovered during grading activities which would minimize potential disturbance to paleontological resources. Compliance with the City's grading regulations would reduce potential impacts to paleontological resources to less than significant.

Based on the Geotechnical Report (Terra Costa Consulting Group 2015), the geology of the waterside portion of the project site consists of several layers. The geotechnical report states that the waterside portion of the project site consists of Holocene deposits, underlain by a thin layer of younger Quaternary terrace deposits, which are underlain by older Quaternary deposits. The change between Holocene deposits and younger Quaternary terrace deposits range between elevations of -16 and -20 feet mean lower low water (MLLW). The change between younger and older Quaternary deposits occurs around -65 feet MLLW. It was estimated that the top of the San Diego Formation is near elevation -150 feet MLLW. As a reference, the City of San Diego's CEQA Significance Determination Thresholds assign low paleontological sensitivity to Holocene and Quaternary deposits, and high paleontological sensitivity to the San Diego Formation. Waterside project activities would consist of dredging to depths of -70 feet and excavation of up to 95,000 cubic yards for the replacement of the mooring dolphins that hold the Pride of San Diego drydock in place. As such, because waterside project-related activities would not reach geologic formations of high paleontological sensitivity, and therefore would not destroy a unique paleontological resource, impacts would be less than significant. No further analysis is warranted in the EIR.

d. Disturb any human remains, including those interred outside of dedicated cemeteries?

Less-than-Significant Impact. No evidence in the historical record indicates that human remains were buried on site. It is highly unlikely that human remains would be encountered during construction of the proposed project as the project site consists of imported fill and water. Bay Point Formation deposits that are marine in origin and date from 10,000 to 600,000 years ago underlie these fill layers. However, if human

remains should be discovered during construction, while unlikely, they would be treated in accordance with existing laws and regulations, notably Public Resources Code (PRC) Section 5097 and Health and Safety Code Section 7050.5, which would ensure that impacts would be less than significant. Therefore, no further analysis is warranted in the EIR.

VI. Geology and Soils

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. 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? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii. Strong seismic groundshaking?	☐	☐	☐	☒
iii. Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv. Landslides?	☐	☐	☐	☒
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☐	☒
c. Be located on geologic units 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?	☐	☐	☒	☐
d. Be located on expansive soil, as defined in Section 1803.5.3 of the California Building Code (2016), creating substantial risks to life or property?*	☐	☐	☒	☐
e. 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?	☐	☐	☐	☒

*Geology and Soils question (d) reflects the current 2016 California Building Code, effective January 1, 2017, which is based on the International Building Code (2015).
Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) 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? Refer to Division of Mines and Geology Special Publication 42.

Less-than-Significant Impact. According to the City of San Diego Seismic Safety Study, Geologic Hazards and Faults, Sheet 13, the project site is not located within an active, Alquist-Priolo Earthquake Fault Zone (City of San Diego 2008a). As such, project construction and operation would not exacerbate

the potential rupture of a known earthquake fault. Therefore, impacts would be less than significant, and no further analysis is warranted in the EIR.

ii) Strong seismic groundshaking?

Less-than-Significant Impact. As discussed above, according to the City of San Diego Seismic Safety Study, Geologic Hazards and Faults, Sheet 13, the project site is not located within an active, Alquist-Priolo Earthquake Fault Zone (City of San Diego 2008a). However, the San Diego region is subject to earthquakes, which can result in strong seismic ground-shaking. As such, the project site could be exposed to strong seismic ground-shaking in the future. At question, however, is not whether the project site would experience strong seismic ground-shaking, but rather if the proposed project's construction and operation would exacerbate such effects on future users at the project site. Since the proposed project would have no potential to result in any increased chance of strong seismic ground-shaking (i.e. increase the risk of an earthquake), no impact would occur and no further analysis is warranted in the EIR.

iii) Seismic-related ground failure, including liquefaction?

Less-than-Significant Impact. The proposed project site is underlain by relatively loose, unconsolidated bay deposits and fill materials. The potential for liquefaction at the proposed project site is high due to the area's shallow groundwater table and the low density of the underlying sandy subsurface materials. Additionally, the City of San Diego Seismic Safety Study, Geologic Hazards and Faults, Sheet 13, maps the proposed project site as being in an area with a high potential for liquefaction.

Three key components are required for liquefaction: (1) liquefaction-susceptible soils; (2) groundwater; and, (3) strong groundshaking, such as that caused by an earthquake. The Geotechnical Report prepared for the BAE Pier 1 North Drydock Project EIR (Terra Costa Consulting Group 2015) notes that the recent bay deposits are considered liquefiable. However, the Geotechnical Report indicates that the subsurface soils within the Holocene, the younger Quaternary terrace deposits, and the older Quaternary terrace deposits are generally non-liquefiable. There are several isolated pockets of soils that might liquefy, but due to the general heterogeneous nature of the Quaternary terrace deposits, the impact associated with these layers is considered less than significant. Moreover, design and construction of the proposed project would be required to comply with all seismic safety development requirements, including Title 24 standards contained within the current California Building Code. Because the proposed project would be engineered to eliminate the liquefaction hazard and would not exacerbate the potential for liquefaction to occur, impacts associated with liquefaction or other seismic-related ground failure would be less than significant. Therefore, no further analysis is warranted in the EIR.

iv) Landslides?

No Impact. Landslide activity generally occurs in areas that lack vegetation and have steep slopes (typically, with grades of 30% or more). The project site is situated on fill areas that are flat and completely developed. Additionally, the project site is not mapped within a landslide hazard zone in the City of San Diego's Seismic Safety Study (City of San Diego 2008a). No portion of the project site would be susceptible to landslides. As such, the proposed project would not exacerbate the potential for landslides to occur at the project site or surrounding area. Therefore, no impacts would occur, and no further discussion of landslides is warranted in the EIR.

b. Result in substantial soil erosion or the loss of topsoil?

No Impact. The paved project site is an existing ship repair yard that was constructed on artificial fill. None of the actions associated with the proposed project would disrupt any native soil or topsoil. In addition, consistent with the District's Jurisdictional Runoff Management Program (JRMP) (pursuant to State Water Resources Control Board Order No. R9-2013-0001, as amended by Order No. R9-2015-0001and R9-2015-0100 [NPDES Permit #CAS0109266, Municipal Permit]), the proposed project would be designed with Best Management Practices (BMPs) consistent with the District's BMP Design Manual, which requires the use of low-impact development BMPs, as well as source control and treatment control BMPs (District 2016). As

such, soil erosion is not anticipated to occur as a result of construction or operation at the project site. Therefore, no impact would occur, and further discussion in the EIR is not warranted.

c. Be located on geologic units 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?

Less-than-Significant Impact. Refer to questions VI.a (iii) and (iv), respectively, for a discussion of potential impacts associated with liquefaction and landslides. Bay deposits and fill layers that underlie the project site could be unstable because of their liquefaction potential. The project site does not contain slopes exceeding a 25% grade, nor is it mapped within a landslide hazard zone in the City of San Diego's Seismic Safety Study (City of San Diego 2008a), and therefore would not be susceptible to on- or offsite landslides. There are several isolated pockets of soils that might liquefy (Terra Costa Consulting Group 2015). However, due to the general heterogeneous nature of the Quaternary terrace deposits, the impact associated with these layers is considered less than significant. Moreover, design and construction of the each of the landside proposed project elements, including Project Elements 2 (Pride of San Diego Wharf Replacement and Realignment), 6 (Pier 3 Lunchroom Wharf Replacement and Realignment), 10 (Central Tool Room Demolition and Reconstruction), 11 (New Production Building), 12 (Administration Office Building), and 13 (Pier 1 Restroom Renovation and/or Demolition), would be required to comply with all seismic-safety development requirements, including Title 24 standards of the current California Building Code. Because the proposed project would be engineered to eliminate the liquefaction hazard and would not exacerbate the potential for liquefaction to occur, impacts associated with liquefaction or other seismic-related ground failure would be less than significant. Due to these onsite conditions and mandatory compliance with applicable regulations, the proposed project would not exacerbate existing unstable conditions, and no further discussion is warranted in the EIR.

d. Be located on expansive soil, as defined in Section 1803.5.3 of the California Building Code (2016), creating substantial risks to life or property?

Less-than-Significant Impact. Expansive soils are fine-grained soils (generally high-plasticity clays) that can undergo a significant increase in volume with an increase in water content as well as a significant decrease in volume with a decrease in water content. Changes in the water content of highly expansive soils can result in severe distress for structures constructed on or against the soils. Underlying soils found on site are partially composed of clays and, as such, could be subject to expansion. Huerhuero-Urban land complex (2 to 9% slope) has a high shrink-swell behavior, Urban land has variable shrink-swell behavior, and Tidal flats have a high shrink-swell behavior (USDA 1973). Should any soil failure occur, risks to life or property associated with the proposed project may increase due to the construction of new structures. Construction of the proposed project would be subject to applicable standards of the current California Building Code (California Code of Regulations Title 24), and expansive soils would be removed and replaced with engineered soil. The project site is underlain by Urban Land, which is identified as having a variable shrink-swell potential (U.S. Department of Agriculture 1973). Because of the developed nature of the project site, it is likely that any expansive soils have been removed during previous development of the site. Therefore, construction and operation of the proposed project would not result in substantial risks to life or property as a result of being located on expansive soils. Impacts would be less than significant, and no further discussion is warranted in the EIR.

e. 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?

No Impact. No septic tanks or alternative wastewater disposal systems are included as part of the proposed project; therefore, no impact would occur. No further discussion is warranted in the EIR.

VII. Greenhouse Gas Emissions

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☒	☐	☐	☐
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☒	☐	☐	☐

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Potentially Significant Impact. Implementation of the proposed project's various elements would generate greenhouse gas (GHG) emissions, primarily associated with off- and on-road equipment use. While the proposed project would result in no new berthing space, it would replace and improve facilities that would increase the efficiency of operations and allow for newer and larger Navy vessels to be accommodated, which may change operational activities long-term compared to existing conditions. These changes in GHG emissions could potentially, either directly or indirectly, have a significant impact on the environment by exceeding established thresholds for GHG emissions. Further discussion is warranted in the EIR. In addition, the EIR will consider the physical effects of climate change on the proposed project, including an analysis on sea level rise. The sea level rise analysis will identify any areas of potential impacts due to potential future increases in mean sea level rise (temporary coastal flooding, and permanent inundation) and if the project exacerbates potential impacts on the environment resulting from sea level rise or associated events (e.g., coastal flooding, wave overtopping, erosion, etc.).

b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Potentially Significant Impact. The District has enacted a variety of policies and plans to reduce GHG emissions as part of its Climate Action Plan, including the implementation of shore power, equipment and truck replacement/retrofits, vessel speed reductions, and the Clean Truck Program. Implementation of the proposed project could increase GHG emissions during project construction and operations. Therefore, further discussion is warranted in the EIR.

VIII. Hazards and Hazardous Materials

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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 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 which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it 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 two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☒	☐
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐	☐	☒

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less-than-Significant Impact. The proposed project would use heavy equipment to dredge sediments and would require demolition activities for several project elements, including Project Elements 1 (Pride of San Diego Drydock Dredging and Moorage), 4 (Pier 3 South Nearshore Dredging), 10 (Central Tool Room Demolition and Reconstruction), 11 (New Production Building), 12 (Administration Office Building), and 13 (Pier 1 Restroom Renovation and/or Demolition). Construction-related hazardous materials would be used

during project construction, including fuel, solvents, paints, oils, and grease. The proposed project would be required to comply with federal, state, and local regulations for the routine transport, use, and disposal of any hazardous materials. These regulations include the Resource Conservation and Recovery Act (RCRA); U.S. Department of Transportation (DOT) Hazardous Materials Regulations (Code of Federal Regulations [CFR] Title 49); California Health and Safety Code; and San Diego County Code, Title 6, Division 8, in combination with construction BMPs that would be implemented during project construction. Any accidental release of these materials due to spills or leaks would be cleaned up in the normal course of business, consistent with the above-mentioned regulations. Once construction is completed, operations would remain similar to existing conditions and the routine transport, use, and disposal of any hazardous materials would continue to occur in compliance with the above-mentioned federal, state, and local regulations. Therefore, impacts associated with the potential to create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials would be less than significant, and further discussion in the EIR is not warranted.

b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Potentially Significant Impact. A previous site assessment (Anchor QEA LLC 2016) indicates that copper, mercury, high-molecular weight polycyclic aromatic hydrocarbons, total polychlorinated biphenyls, and tributyltin may be present in sediment within portions of the project site. The presence of these hazardous materials could create a significant hazard to the public or the environment if they were to be disrupted during construction activities and released into the environment. Therefore, impacts are potentially significant, and further analysis is warranted in the EIR.

c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less-than-Significant Impact. No existing public schools have been identified within one-quarter mile of the project site. The closest public school to the project site is Perkins Elementary School, approximately one-half mile to the northwest across SR-75. As such, project construction and operation would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. Therefore, impacts would be less than significant, and no further analysis is warranted in the EIR.

d. 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, would it create a significant hazard to the public or the environment?

Potentially Significant Impact. Based on a review of the California Department of Toxic Substances Control (DTSC) database (EnviroStor), it was determined that the project site is not included on a list of hazardous material sites (DTSC 2018). The State Water Resources Control Board (SWRCB) database (GeoTracker) identifies two sites with closed cases and two sites with open cases. The closed sites consist of a cleanup program case (Case #H09689-001) and one closed leaking underground storage tank cleanup site (Case #H09689-002) on the landside portion of the project site. The open cases include one site within the San Diego Bay, a shipyard sediment site (Case #2090005) near Pier 3 where the proposed Pier 3 mooring dolphin would be constructed, and a sediment delineation investigation (Case # 2090088) near the Pride of San Diego Drydock (SWRCB 2018). Given the open status of the two cases within the Bay, as well as the past presence of onsite contamination associated with the two closed cases, the potential exists for the proposed project to result in a significant hazard to the public or the environment. This is considered a potentially significant impact, and further discussion is warranted in the EIR.

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 for people residing or working in the project area?

Less-than-Significant Impact. The project site is approximately 3 miles south of San Diego International Airport (SDIA) and 3.25 miles east of Naval Air Station (NAS) North Island. The project site is not within any accident potential zones for SDIA; however, it is within Review Area 2 of the SDIA Airport Influence Area, per the Airport Land Use Compatibility Plan (ALUCP) (SDIA 2014). The proposed project structures are similar in height as other structures in the project area. The San Diego County Regional Airport Authority is currently preparing the ALUCP for NAS North Island; therefore, it was not available for review. In accordance with Federal Aviation Regulations, Part 77, the Federal Aviation Administration (FAA) would be notified at least 45 days prior to construction because of the proximity of the site to a navigation facility. There are no other airports in the vicinity of the project site that could be affected by the proposed project. No further discussion of this issue is warranted in the EIR.

f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

No Impact. As described under question VIII.e, the project site is over 3 miles from the closest private airstrip, NAS North Island. Therefore, no hazard impacts related to private airstrips would occur with implementation of the proposed project, and no further discussion is warranted in the EIR.

g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less-than-Significant Impact. Emergency response and evacuation is the responsibility of the police and fire service providers, as detailed in Section XIV*, Public Services*. The proposed project would replace aging structures, improve existing infrastructure, increase space utilization and increase efficiency of operations. These improvements would allow for newer and different classes of vessels to be moored and repaired on site; however, these changes are not expected to significantly alter existing site use or throughput. Additionally, all the proposed landside improvements would occur entirely within BAE's leasehold and would not extend off site, where they would potentially interfere with emergency response. As such, proposed project construction or operation would not impair implementation of or physically interfere with an approved emergency response plan.

The proposed project would be required to comply with applicable requirements set forth by the County of San Diego Office of Emergency Services (OES) Operational Area Emergency Plan, San Diego Harbor Police Department, City of San Diego Police Department, and City of San Diego Fire Department. OES coordinates emergency response at the local level in the event of a disaster, including fires. This emergency response coordination is facilitated by the Operational Area Emergency Operations Center and responding agencies to the proposed project site: the City of San Diego Police and Fire Departments and San Diego Harbor Police Department. Because the proposed project would not result in any changes to access in the surrounding area, impacts would be less than significant, and no further discussion is warranted in the EIR.

h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

No Impact. The City of San Diego is subject to both wildland and urban fires due to its climate, topography, and native vegetation (City of San Diego 2015). The extended drought characteristic of the region's Mediterranean climate and increasingly severe dry periods associated with global warming result in large areas of dry native vegetation that provide fuel for wildland fires. State law requires that all local jurisdictions identify very high fire hazard severity zones (VHFHSZ) within their areas of responsibility (California Government Code Section 51175–51189). Inclusion within these zones is based on vegetation density, slope severity, and other relevant factors that contribute to fire severity.

According to the VHFHSZ Maps prepared by the City in collaboration with the California Department of Forestry and Fire Protection, the project site is not within or adjacent to wildland fire hazard area (City of

San Diego 2009). The project site is located on San Diego Bay, near downtown San Diego, and is covered with impermeable surfaces. There are no wildlands or heavily vegetated areas in proximity to the project site, and, as such, replacement of aging structures, improvement to existing infrastructure, and increased efficiency of operations would not exacerbate the potential to expose people or structures to a significant risk of loss, injury, or death involving wildland fires. No impacts would occur, and no further discussion is warranted in the EIR.

IX. Hydrology and Water Quality

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a. Violate Regional Water Quality Control Board water quality standards or waste discharge requirements?	☒	☐	☐	☐
b. Substantially deplete groundwater supplies or interfere substantially with groundwater discharge such that there would be a net deficit in the aquifer volume or a lowering of the local groundwater table level (i.e., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	☐	☐	☒	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in substantial erosion or siltation on or off site?	☐	☐	☒	☐
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on or off site?	☐	☐	☒	☐
e. 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?	☒	☐	☐	☐
f. Otherwise substantially degrade water quality?	☒	☐	☐	☐
g. Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other hazard delineation map?	☐	☐	☐	☒
h. Place within 100-year flood hazard area structures that would impede or redirect flood flows?	☒	☐	☐	☐
i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam.	☐	☐	☒	☐
j. Cause inundation by seiche, tsunami, or mudflow?	☐	☐	☒	☐

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Violate Regional Water Quality Control Board water quality standards or waste discharge requirements?

Potentially Significant Impact. The potential impacts of construction activities on water quality generally concern sediments, turbidity, and pollutants associated with sediments. Construction-related activities that expose and move soils are responsible primarily for sediment releases and associated turbidity impacts on water quality. The proposed project would involve soil disturbance from activities such as dredging in the Bay and utility work, as well as grading and repaving related to building demolition and construction. Demolition includes removal of existing pavement, structures, mooring dolphins, concrete piles, and any utilities. Construction activities also include repaving the project site with asphalt concrete pavement. These project activities could be impacted by wind and rain leading to erosion of onsite soil and could increase the amount of suspended solids discharged in storm flows. Removal and replacement of the concrete piles would also result in suspended solids in the Bay during these activities. Other pollutants of concern are toxic chemicals from heavy equipment or construction-related materials. Non-sediment contaminants that could enter runoff from the construction site include metals, petroleum products, and trash. Concrete/asphalt and sanitary wastes are other common sources of potentially harmful materials on construction sites. Wash water from equipment and tools and other waste disposed of or spilled on the construction site can lead to seepage of pollutants into watercourses and groundwater. Also, construction chemicals may accidentally spill into watercourses. The impact of toxic construction-related materials on water quality would vary, depending on the quantity, duration, and timing of activities. All of these potential construction-related contaminants could contribute to the degradation of water quality. In-water construction work associated with the proposed project may result in direct discharges into the Bay. During project operations, newer and larger classes of vessels could be accommodated at the site, which would potentially result in changes to ship repair activities and use of associated chemicals. Because there is a potentially significant impact related to water quality during construction and operation, further discussion is warranted in the EIR.

b. Substantially deplete groundwater supplies or interfere substantially with groundwater discharge such that there would be a net deficit in the aquifer volume or a lowering of the local groundwater table level (i.e., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

Less-than-Significant Impact. Because of the proposed project's proximity to the Bay, groundwater at the project site is saline from saltwater intrusion, and, therefore, it is not used as a groundwater supply source or for recharge. Consequently, the proposed project would not impact the groundwater table level or recharge activities. Impacts related to lowering a groundwater table and interfering with groundwater recharge would be less than significant, and no further discussion of this subject is warranted in the EIR.

c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in substantial erosion or siltation on or off site?

Less-than-Significant Impact. The proposed project would include the redevelopment of 5,000 square feet of impervious surface collectively, on an existing site of 10,000 square feet of impervious surfaces. While the proposed project would replace aging structures and add a new 3-story production building with a 16,475-square-foot footprint, the impervious surfaces associated with the site would remain consistent with existing conditions because the majority of the site is currently impervious. The new building would replace existing impervious surfaces. The proposed project would increase space utilization and increase efficiency of operations, but would not substantially alter the existing drainage pattern of the site as the project site would continue to discharge to the Bay and would not increase the rate or amount of surface runoff. Also, the proposed project would be required to comply with the District's Municipal Stormwater Permit, Article 10 (Stormwater Management and Discharge Control Ordinance), and the JRMP. The proposed project is considered a priority development project (PDP) and is required to implement pollutant control BMPs, following the hierarchy described in the District's BMP Design Manual (retention, partial

retention with biofiltration, biofiltration, or flow-through with participation in an Alternative Compliance Program). Stormwater pollutant control BMPs are engineered facilities that are designed to retain (i.e., intercept, store, infiltrate, evaporate, and evapotranspire), biofilter, and/or provide flow-through treatment of stormwater runoff generated on the project site. Minimum BMPs consistent with the District BMP Design Manual require the use of site design BMPs, source control, and pollutant control BMPs. Potential increases in peak flows for storm events would be managed through the use of retention BMPs for stormwater runoff generated on the project site. The JRMP requires a post-construction Storm Water Quality Management Plan be prepared for all PDPs to identify the project-specific design BMPs and source control and pollutant control BMPs applicable to the project. Impacts would be less than significant, and no further analysis is warranted in the EIR.

d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on or off site?

Less-than-Significant Impact. Refer to question IX.c, above. The impervious surfaces associated with the site would remain consistent with existing conditions as the majority of the site currently consists of impervious surfaces. As such, the proposed project would not substantially increase the rate or amount of surface runoff in a manner that would result in flooding on or off site. In addition, the project site discharges directly to the Bay, further reducing the potential to result in flooding on or off site. Impacts would be less than significant, and no further analysis is warranted in the EIR.

e. 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?

Potentially Significant Impact. As previously discussed under question IX.a, the potential construction-related contaminants (e.g., sediments, turbidity, metals, petroleum products, trash, concrete/asphalt, and sanitary wastes) could contribute to the degradation of water quality during construction activities. In-water construction work associated with the proposed project may result in direct discharges into the Bay. Similarly, changes in operations could result in an increased usage of chemicals associated with ship repair activities. As such, the proposed project would have the potential to provide substantial additional sources of polluted runoff. Impacts would be potentially significant, and further analysis is warranted in the EIR.

Refer to question IX.c, above. The impervious surfaces associated with the site would remain consistent with existing conditions as the majority of the site currently consists of impervious surfaces. The proposed project site would continue to discharge directly to the Bay. As such, the proposed project would not substantially increase the amount of surface runoff that could exceed the capacity of existing or planned stormwater drainage systems. Impacts would be less than significant, and no further analysis is warranted in the EIR on this portion of the threshold.

f. Otherwise substantially degrade water quality?

Potentially Significant Impact. As discussed under question IX.a, above, construction and operation of the proposed project would have the potential to directly introduce pollutants into surface bodies of water (or storm drains), causing significant water quality impacts. Therefore, further analysis of this issue is warranted in the EIR.

g. Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other hazard delineation map?

No Impact. Although the proposed project site is located within an area that is designated as “100 Year Floodplain” by the Federal Emergency Management Agency (FEMA 2012), the proposed project does not involve the construction of any housing or other type of structure suitable for human habitation. Therefore, no impacts related to housing within a 100-year flood hazard area would occur, and no further discussion is warranted in the EIR.

h. Place within 100-year flood hazard area structures that would impede or redirect flood flows?

Potentially Significant Impact. The proposed project involves the maintenance, repair, and replacement of waterfront infrastructure within San Diego Bay, including the addition of new or replaced buildings in potentially modified locations. The new and replacement structures would be constructed within a 100-year flood hazard area and could impede or redirect flood flows; therefore, further discussion of this issue is warranted in the EIR.

i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam.

Less-than-Significant Impact. Dam failures are rated as a low-probability, high-loss event. Only two major dam failures have been recorded in San Diego County. These occurred in 1916 and were caused by a flood event (County of San Diego 2017). The project site is not identified within a risk zone of a potential dam failure (County of San Diego 2017). No areas in the San Diego region are in a levee flood protection zone (California Department of Water Resources 2018). Thus, it is highly unlikely that the proposed project would expose people or structures to a significant risk of loss, injury, or death involving flooding as a result of the failure of a levee or dam. Impacts would be less than significant, and no further analysis is warranted in the EIR.

j. Cause inundation by seiche, tsunami, or mudflow?

Less-than-Significant Impact. Although the project site is within a designated high-risk zone for a tsunami, the likelihood that an event would occur during the 5-year construction period is low. If such an event were to occur, the likelihood that it would affect the project site is also low. The project site is located on the Bayfront but approximately 2 miles from the Pacific Ocean. Coronado is located between the site and the ocean. Moreover, the project site is located at approximately 8 feet MLLW. Therefore, considering the distance from the ocean, the buffering provided by landmass, and the height above sea level, the potential for hazards associated with direct wave action in the event of a storm surge, tsunami, or seiche is low. Conditions under the operational phase of the proposed project would be similar to the existing conditions and would not increase the potential of site inundation. Although inundation from a tsunami or seiche is possible, it is unlikely; if it were to occur, damage would most likely be limited to ground-floor water damage. People would be given warning to evacuate the project site by the West Coast and Alaska Tsunami Warning Center, which monitors earthquakes and issues tsunami warnings when a tsunami is forecast to occur. Consequently, although inundation from a tsunami or seiche is reasonably foreseeable, any associated impacts would be less than significant, and no further analysis is warranted in the EIR.

The potential for large-scale slope instability at the site that could lead to mudflow is not present at the project site. The project site is located on flat topography. Impacts would be less than significant, and no further discussion is warranted in the EIR.

X. Land Use and Planning

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a. Physically divide an established community?	☐	☐	☐	☒
b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☒	☐	☐	☐
c. Conflict with any applicable habitat conservation plan or natural community conservation plan?	☒	☐	☐	☐

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Physically divide an established community?

No Impact. The proposed project would replace aging structures, improve existing infrastructure, increase space utilization, and increase efficiency of operations within an existing ship repair yard on San Diego Bay. The proposed project would not expand the physical landside boundaries of the ship repair yard or develop areas outside of its current landside boundaries and expand into any adjacent communities. All the landside improvements would occur entirely within BAE Systems' leasehold. Therefore, the project would not physically divide an established community, and no impacts would occur. No further analysis is warranted in the EIR.

b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

Potentially Significant Impact. The PMP is the guiding land use policy document for all areas under the District's jurisdiction. The proposed project is located within Planning District 4, which has been identified as the only area in the entire San Diego region with an established waterfront industrial shipping operation. The proposed project is required to be consistent with the Public Trust Doctrine and the Port Act and applicable provisions of the California Coastal Act. Three project elements are located either partially (Project Elements 1 and 8) or entirely (Project Element 5) within State Lands Commission (SLC) jurisdiction and are outside of the District's jurisdiction, requiring approval from SLC and the California Coastal Commission. Therefore, further analysis is needed to determine if the proposed project would have the potential to result in inconsistencies with the California Coastal Act, Port Master Plan, and any other relevant plans that have jurisdiction over the project.

c. Conflict with any applicable habitat conservation plan or natural community conservation plan?

Potentially Significant Impact. As discussed under question IV.f, the proposed project would occur outside the boundaries of the City of San Diego MHPA, as designated in the City's MSCP Subarea Plan. Additionally, no designated MHPA is present adjacent to the project site. As such, the proposed project would not conflict with a habitat conservation plan or natural community conservation plan.

The District and the U.S. Navy Southwest Division maintain the INRMP, which aims to ensure the long-term health, recovery, and protection of San Diego Bay's ecosystem. In-water work associated with the proposed project has the potential to result in significant impacts on biological resources of the San Diego Bay. Therefore, development of the proposed project will be reviewed with the goals and intent of the INRMP and a more detailed analysis will be provided in the EIR.

XI. Mineral Resources

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
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 a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

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?

No Impact. The project site, an area characterized by marine-related industrial activities, does not contain any known mineral resources. In addition, the project site is underlain by artificial fill material. No commercial mining operations exist on the project site or in the immediate vicinity. The project site and the surrounding area are not designated or zoned as land with the availability of mineral resources. In addition, the project site does not contain aggregate resources and is not located in a mineral resource zone that contains important resources. In accordance with guidelines established by the State Mining and Geology Board, mineral deposits in western San Diego County have been classified into Mineral Resource Zones (MRZ). According to the Conservation Element of the City of San Diego's General Plan (City of San Diego 2008b), the project site is mapped within the MRZ-1 classification. The MRZ-1 classification identifies areas where adequate information indicates that no significant mineral deposits are present, or where it is judged that there is little likelihood for their presence (City of San Diego 2016a) Therefore, the proposed project would not result in a loss of known mineral resources. No impact would occur, and no further analysis is warranted in the EIR.

b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

No Impact. See question XI.a. The project site is underlain by artificial fill material. The PMP does not identify any mineral resources in the area or designated plans for mineral resource extraction. The project site and the surrounding area do not contain locally important mineral resources. Therefore, implementation of the proposed project would not result in the loss of availability of a locally important mineral resource recovery site, and no impact would occur. No further analysis is warranted in the EIR.

XII. Noise

Would the project:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a.	Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☒	☐	☐	☐
b.	Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	☒	☐	☐	☐
c.	A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	☒	☐
d.	A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☒	☐	☐	☐
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 expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒
f.	For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Potentially Significant Impact. The closest noise-sensitive receptors to the proposed project are homes, schools, and a park. Although these receptors are relatively far from the project site (more than 1,000 feet), the potential exists for project construction to result in significant impacts due to the proposed high-intensity construction activities (i.e., pile driving), as well as limited 24-hour construction activities (i.e., dredging) that would occur partly outside of the daytime hours typically permitted by the City of San Diego. Noise levels during project construction will be analyzed in the EIR and evaluated relative to the construction noise standards provided in the City of San Diego Municipal Code.

Due to the project's waterfront location and the proposed in-water construction activities, there is also the potential for the proposed project to result in significant noise impacts on sensitive biological resources (birds, fish, and/or marine mammals). Therefore, noise levels (including underwater noise [hydroacoustic] levels) will also be evaluated for biological resources and addressed within the EIR's *Biological Resources* section.

Once construction is completed, the improvements would allow BAE Systems to improve operational efficiency and service newer and different classes of vessels that cannot be accommodated under existing conditions. As a result, the total number of ship repair days per year at the site would increase. However, the changes would not lead to additional simultaneous vessel work and would not increase the number of

people on-site. In fact, the worst-case (largest) total on-site vessel crew and labor force size would decrease under the proposed project. Consequently, the general types of operational activities (i.e., vessel service and repair) at the project site would remain the same as those that currently occur, and the overall intensity of the operations would not increase. This, combined with the large distances to the nearest noise-sensitive receptors, means that operational noise levels (including BAE-related traffic noise in the surrounding community) would not change appreciably at the nearest receptors, and the operational noise impacts would be less than significant. As a result, a quantitative analysis of operational noise levels is not necessary and a brief qualitative discussion will be included in the EIR.

b. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

Potentially Significant Impact. The primary source of groundborne vibration during project construction would be pile driving. Lesser vibration-generating activities would include demolition, dredging, and excavation. Although perceptible groundborne vibration or noise generated by project construction would most likely not propagate to surrounding residential uses or other sensitive receptors, the possibility of vibration-related damage to nearby buildings presents a potentially significant impact. Therefore, predicted vibration levels during project construction will be evaluated in the EIR.

As discussed under question XII.a, operational activities at the project site would remain essentially unchanged from those that currently occur. As a result, operational groundborne vibration levels would not change appreciably and would remain imperceptible at the nearest sensitive receptors due to the large propagation distances. Therefore, operational vibration impacts would be less than significant, and no further analysis of operational groundborne vibration is warranted in the EIR.

c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

Less-than-Significant Impact. As described under question XII.a, the proposed project would not increase permanent ambient noise levels because long-term operational activities would not change substantially. The general types of operational activities (i.e., vessel service and repair) at the project site would remain the same as those that currently occur, and the overall intensity of the operations would not increase. This, combined with the large distances to the nearest noise-sensitive receptors, means that operational noise levels (including BAE-related traffic noise in the surrounding community) would not change appreciably at the nearest receptors. As a result, impacts would be less than significant, and a quantitative analysis of operational noise levels is not necessary. A brief qualitative discussion will be included in the EIR.

d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

Potentially Significant Impact. As described under question XII.a, construction–related activities could result in a temporary or periodic increase in ambient noise levels. Therefore, impacts from construction noise are potentially significant, and further analysis is warranted in the EIR.

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 expose people residing or working in the project area to excessive noise levels?

No Impact. The closest air facilities to the project site are SDIA and NAS North Island. SDIA is a public airport approximately 3 miles from the project site with an adopted airport land use plan. NAS is a private airport approximately 3.25 miles from the site without an adopted airport land use plan. Based on the noise contour maps for both of these facilities (Ricondo & Associates 2014 and Onyx Group 2011, respectively), the project site is outside of their designated noise contours (the minimum noise contour value is 60 community noise equivalent level decibels). In addition, the proposed project would not change the operations of SDIA or NAS North Island or otherwise affect the existing aircraft noise environment in the project vicinity. The proposed project also would not create any new noise-sensitive receptors that could

be affected by aircraft noise. Therefore, the proposed project would not expose people residing or working in the project area to excessive airport noise levels, and no further discussion is warranted in the EIR.

f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. As described under issue XII.e, the project site is outside of the designated noise contours for NAS North Island. Therefore, no impacts related to private airstrips would occur with implementation of the proposed project, and no further discussion is warranted in the EIR.

XIII. Population and Housing

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a. Induce substantial 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)?	☐	☐	☒	☐
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
c. Displace substantial numbers of people necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Induce substantial 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)?

Less-than-Significant Impact. The proposed project would not construct any homes or commercial uses, or extend roads or other infrastructure that could induce substantial population growth. Construction activities would result in the generation of temporary construction jobs. However, the additional jobs are expected to be filled by people who currently live in the San Diego region. The jobs would not result in the relocation of any population. In addition, none of the operational changes associated with the proposed project, which are targeted to improving efficiency of operations, would create new jobs. Therefore, the proposed project would not directly or indirectly induce substantial population growth through the creation of new homes or businesses in the San Diego region. Impacts would be less than significant, and no further discussion is warranted in the EIR.

b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

No Impact. The project site is a working ship repair yard on San Diego Bay and does not include residential housing. As such, no housing would be displaced with implementation of the proposed project. Therefore, no impact would occur, and no further discussion is warranted in the EIR.

c. Displace substantial numbers of people necessitating the construction of replacement housing elsewhere?

No Impact. The project site is a working ship repair yard on San Diego Bay and does not contain any permanent residents. The proposed project involves the replacement of aging structures, improvement of existing infrastructure, increased space utilization, and increased efficiency of operations. Implementation of the proposed project would not displace people or require the construction of replacement housing elsewhere. Therefore, no impact would occur, and no further discussion is warranted in the EIR.

XIV. Public Services

Would the project result in 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 any of the public services:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a. Fire protection?	☐	☐	☒	☐
b. Police protection?	☐	☐	☒	☐
c. Schools?	☐	☐	☐	☒
d. Parks?	☐	☐	☒	☐
e. Other public facilities?	☐	☐	☐	☒

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project result in 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 any of the public services:

a. Fire protection?

Less-than-Significant Impact. The project site is served by the City of San Diego Fire-Rescue Department (SDFD) and San Diego Harbor Police Department (HPD) for fireboat operations. The proposed project would replace aging structures, improve existing infrastructure, increase space utilization, and increase efficiency of operations. Construction activities and operational changes associated with the proposed project would not generate new or increased demands on fire protection. Therefore, the proposed project would not result in increased demand that would require new or physically altered fire protection facilities; impacts would be less than significant. No further discussion is warranted in the EIR.

b. Police protection?

Less-than-Significant Impact. The San Diego HPD provides police protection services to the project site. The proposed project would replace aging structures, improve existing infrastructure, increase space utilization, and increase efficiency of operations at the project site. Construction activities and operational changes associated with the proposed project would not generate new or increased demands on police protection. Therefore, the proposed project would not result in increased demand that would require new or physically altered police protection facilities; impacts would be less than significant. No further discussion is warranted in the EIR.

c. Schools?

No Impact. Physical impacts on school facilities and services are typically associated with population in-migration and growth, which increase the demand for schools and result in the need for new or expanded facilities, the construction of which may result in physical impacts on the environment. As discussed above under question XIII.a, the proposed project would have a less-than-significant effect on population growth. Jobs generated during construction of the proposed project would be drawn from the local workforce, and no new jobs would be generated during project operations. Therefore, the proposed project would not result in increased demand that would require the need for new or physically altered school facilities; no impact would occur. No further discussion is warranted in the EIR.

d. Parks?

Less-than-Significant Impact. The project site is in an area consisting predominantly of industrial and maritime uses. No park facilities are within or immediately adjacent to the project site that would be physically affected. As discussed above under question XIII.a, the proposed project would have a less-than-significant effect on population growth. Jobs generated during construction of the proposed project would be drawn from the local workforce, and no new jobs would be generated during project operations. Therefore, the proposed project would not result in an increased demand requiring the need for new or physically altered park facilities, and any related impact would be less than significant. No further discussion is warranted in the EIR.

e. Other public facilities?

No Impact. The proposed project would not result in adverse impacts on other public facilities. As discussed above, physical impacts on public services are usually associated with in-migration and population growth, which increase the demand for public services and facilities. The proposed project would not increase the local population. Although additional employees are anticipated during construction, they are not expected to increase the use of existing public services and facilities to the extent that new or expanded facilities would be necessary. Therefore, the proposed project would not result in increased demand that would require the need for new or physically altered public facilities. No impact would occur, and no further discussion in the EIR is warranted.

XV. Recreation

		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a.	Would the 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?	☐	☐	☒	☐
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?	☐	☐	☐	☒

Significance criteria established by State CEQA Guidelines, Appendix G.

a. Would the 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?

Less-than-Significant Impact. An increase in the use of existing parks and recreational facilities typically results from an increase in the number of housing units or residents in an area. The proposed project would not result in an increase in the number of housing units or residents in the project vicinity. As discussed above under question XIV.d, the project site is in an area consisting predominantly of industrial and maritime uses, and no park facilities are within or immediately adjacent to the project site. Although additional employees are anticipated during construction, they are not expected to heavily use the existing neighborhood or regional parks or any other recreational facilities. In addition, none of the operational changes associated with the proposed project would create new jobs. Impacts would be less than significant, and no further discussion is warranted in the EIR.

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?

No Impact. The proposed project does not include the development of any recreational facilities. The proposed project would replace aging structures, improve existing infrastructure, increase space utilization, and increase efficiency of operations at the project site. In addition, as described under question XV.a, the project would not require the expansion of existing recreational facilities. Therefore, the proposed project would not require construction or expansion of recreational facilities that might have an adverse physical effect on the environment. As a result, no impact would occur, and no further discussion is warranted in the EIR.

XVI. Transportation/Traffic

Would the project:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a.	Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation systems, including but not limited to intersections, streets, highways and freeways, pedestrians and bicycle paths, and mass transit?	☒	☐	☐	☐
b.	Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the country congestion management agency for designated roads or highways?	☐	☐	☐	☒
c.	Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	☐	☐	☒	☐
d.	Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
e.	Result in inadequate emergency access?	☐	☐	☐	☒
f.	Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	☐	☐	☒	☐
g.	Result in inadequate parking supply?	☒	☐	☐	☐

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation systems, including but not limited to intersections, streets, highways and freeways, pedestrians and bicycle paths, and mass transit?

Potentially Significant Impact. Implementation of the various proposed project elements would generate truck trips (materials/equipment delivery and waste hauling) and worker trips that would access the project site. Increased vehicle trips associated with the proposed project could potentially conflict with local policies that measure the effectiveness of the circulation system. A traffic impact study will be prepared for the proposed project and potential traffic impacts will be analyzed in the EIR.

b. Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the country congestion management agency for designated roads or highways?

No Impact. The designated congestion management agency for the San Diego region is SANDAG. In 2009, the San Diego region elected to be exempt from the state Congestion Management Plan and, since this decision, SANDAG has been abiding by 23 CFR 450.320 to ensure the region's continued compliance with the federal congestion management process. *San Diego Forward: The Regional Plan* (Regional Plan), the region's Regional Transportation Plan and Sustainable Communities Strategy, meets the requirements of 23 CFR 450.320 (SANDAG 2015).

Therefore, to determine if the proposed project would conflict with an applicable congestion management program, the proposed project was reviewed for consistency with the Regional Plan, which is a land use and transportation planning document that discusses land use policy at a very general level. The Regional Plan mostly incorporates the land use policies of local jurisdictions and focuses on transportation infrastructure and management programs to support those policies. The project does not propose any changes to the existing land or water use designations of the project site or transportation network that could conflict with the Regional Plan. Therefore, no impact would occur, and no further analysis is warranted in the EIR.

c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

Less-than-Significant Impact. The project site is approximately 3 miles south of SDIA and 3.25 miles east of NAS North Island. The project site is within Review Area 2 of the SDIA Airport Influence Area, per the ALUCP (Airport Land Use Commission 2014). The San Diego County Regional Airport Authority is currently preparing the ALUCP for NAS North Island; therefore, it was not available for review. The proposed project structures are similar in height as other structures in the project area. In accordance with Federal Aviation Regulations, Part 77, the FAA would be notified at least 45 days prior to construction because of the proximity of the site to a navigation facility. There are no other airports in the vicinity of the project site that could be affected by the proposed project. Therefore, impacts would be less than significant, and no further discussion of this issue is warranted in the EIR.

d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact. The proposed project does not involve any design modifications to existing street segments or intersections, nor would it change any driveways that provide access to the project site. Additionally, the project site is situated in an area consisting predominantly of industrial and maritime uses. The proposed project would replace aging structures, improve existing infrastructure, increase space utilization, and increase efficiency of operations within an existing ship repair yard on San Diego Bay. The project site would continue to operate as a ship repair yard upon project completion, which is compatible with the surrounding land uses. Therefore, the proposed project does not have the potential to increase traffic hazards to motorists or create an incompatible traffic-related use. No impacts would occur, and no further discussion of this issue is warranted in the EIR.

e. Result in inadequate emergency access?

No Impact. Construction of the proposed project would not require any temporary closures of public roadways or driveways that could impede emergency access either within the District's jurisdiction or along streets under the jurisdiction of the City of San Diego. Access to the site from E. Belt Street would be maintained throughout project construction. Additionally, there are no components of the proposed project that would result in inadequate emergency access during project operations. No impacts on emergency access would occur, and no further discussion of this issue is warranted in the EIR.

f. Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?

Less-than-Significant Impact. The project site is an operating ship repair yard with restricted access. The proposed project would not increase the number of permanent employees that could increase the use of alternative transportation facilities serving the project site. Additionally, there are no public transit, bicycle, or pedestrian facilities within the project site, nor would the proposed project result in changes to any offsite alternative transportation facilities. Therefore, implementation of the proposed project would not conflict with any adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities. Impacts would be less than significant, and no further discussion is warranted in the EIR.

g. Result in inadequate parking supply?

Potentially Significant Impact. BAE Systems currently maintains a parking capacity of approximately 1,572 spaces with an option of 200 additional parking spaces for employees, customers, and visitors (BAE Systems pers. comm.). Construction of the various project elements would occur over several phases, with the peak of construction occurring between March and April 2020 when construction of Project Elements 3 (Fender System Repair and Replacement), 4 (Pier 3 South Nearshore Dredging), and 5 (Pier 3 Mooring Dolphin) would overlap. At the peak of project construction, approximately 21 daily construction workers would access and park at the project site. As such, there is a potential that the project site would not be able to accommodate parking for construction worker vehicles. The lack of sufficient parking during construction would be a potentially significant impact and further analysis is warranted in the EIR.

BAE Systems currently has 1,808 individuals reporting to the ship repair yard across three 8-hour shifts. These individuals consist of a mix of BAE personnel, Navy personnel, and customers. During project operations, none of the proposed project elements would increase the number of permanent employees on site. Project Elements 1 (Pride of San Diego Drydock Dredging and Moorage), 4 (Pier 3 Nearshore Dredging), and 5 (Pier 3 Mooring Dolphin) would allow BAE Systems to improve operational efficiency and servicing of newer and different classes of vessels. With the addition of a supplemental mooring dolphin and near-shore dredging at Pier 3, the ship repair yard would be able to moor larger naval and commercial vessels at the Pier 3 South berth. Based on the changes to the mooring capacity at Pier 3, the total number of employees on site could change depending on the specific ship mix at the site. For example, commercial vessels do not generally carry a large crew, while large naval vessels occasionally do. The specific ship mix that the facility could support is dependent upon the size of the vessel moored and its effects on adjacent berths. When a larger navy ship is moored at Pier 3 South, the potential berthing capacity of the site would be reduced by two vessels, resulting in a corresponding reduction in crew and labor compared to existing conditions. As such, because the proposed project would not add any new permanent employees and, at times, would reduce the number of employees at the ship repair yard compared to existing conditions, project operations would not result in an inadequate parking supply that could have secondary environmental effects. Therefore, the proposed project's impact on parking supply during operations would be less than significant. However, operation-related parking will be discussed in the EIR.

XVII. Tribal Cultural Resources

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☐	☐	☒
b. 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 Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☐	☒

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or

No Impact. Pursuant to Assembly Bill (AB) 52, tribes can request to be notified of projects in particular geographies. However, at present, no Native American tribes have requested consultation for environmental review projects under CEQA within the District's jurisdiction. Tribal Cultural Resources (TCRs) are a defined class of resources under Section 1 of AB 52. TCRs include sites, features, places, cultural landscapes, and sacred places or objects that have cultural value or significance to a tribe.

A search of the Native American Heritage Commission's Sacred Lands File conducted on August 13, 2018, revealed that there are no known Sacred Lands in or near the project area. A record search conducted on April 25, 2017, by South Coastal Information Center located on the San Diego State University campus revealed that no cultural resources have been recorded in the project area. Furthermore, the project area is entirely constructed of fill, and historic maps indicated that the shoreline was located east of the project area in 1857. Therefore, the proposed project would not cause a substantial adverse change in the significance of a TCR, and no impacts would occur. No further discussion is warranted in the EIR.

b. 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 Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

No Impact. Pursuant to PRC Section 21080.3.1 (AB 52), California Native American tribes traditionally and culturally affiliated with the project area can request notification of projects in their traditional cultural territory. No tribes have requested consultation for projects subject to CEQA within the District's jurisdiction.

The District has determined that no impacts would occur on TCRs given the lack of substantial evidence and criteria set forth in subdivision (c) of PRC Section 5024.1. However, in the event that a TCR is unexpectedly identified during the course of the proposed project, and the District determines that the project may cause a substantial adverse change to a TCR, the District will rely on measures described in the Public Resources Code that, if the District determines to be feasible, may avoid or minimize the significant adverse impacts (PRC Section 21084.3 (b)).

XVIII. Utilities and Service Systems

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	☒	☐
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐
c. Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	☐	☐	☒	☐
e. 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?	☐	☐	☒	☐
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	☐	☐	☒	☐
g. Comply with federal, state, and local statutes and regulations related to solid waste?	☐	☐	☒	☐
h. Result in the wasteful, inefficient, or unnecessary use of energy or require or result in the construction of new energy system infrastructure or the expansion of existing infrastructure, the construction of which could cause significant environmental effects?	☒	☐	☐	☐

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

Less-than-Significant Impact. Wastewater treatment service is provided to the project site by the Metropolitan Sewerage System, which is owned and operated by the City of San Diego Public Utilities Department's (PUD's) Wastewater Branch. The Metropolitan Sewerage System serves the City's water customers as well as 12 cities and agencies with a service area of approximately 450 square miles and service population of approximately 2.2 million. The Metropolitan Sewerage System collects, treats, and disposes of approximately 180 million gallons per day (mgd) of wastewater. Planned improvements will increase wastewater treatment capacity to serve an estimated population of 2.9 million through the year

2050, when nearly 340 mgd of wastewater would be generated (City of San Diego 2016b). Three treatment plants treat wastewater generated in the Metro System, including the North City Water Reclamation Plant, South Bay Water Reclamation Plant, and Point Loma Wastewater Treatment Plant. The Point Loma plant currently treats the wastewater generated by the project site and has a treatment capacity of 240 mgd and a peak wet weather capacity of 432 mgd (City of San Diego 2016b).

As discussed above under question XIII.a, the proposed project would not increase population; the jobs generated during project construction would be drawn from the local workforce that is currently served by existing wastewater treatment facilities, and no new jobs would be generated during project operations. Project-generated wastewater requiring treatment would be limited to onsite construction personnel and activities. These activities, primarily limited to personal wastewater, would not generate a significant amount of new wastewater requiring treatment. Such minimal wastewater generated would not exceed the requirements of any wastewater treatment facilities. Additionally, none of the operational changes associated with the proposed project would generate new sources of wastewater. Therefore, impacts would be less than significant, and no further discussion is warranted in the EIR.

b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Less-than-Significant Impact. As discussed above under question XVIII.a, the proposed project would generate minimal wastewater during construction. Additionally, the proposed project would replace the existing potable water feeds. None of the operational changes associated with the proposed project would generate new sources of water or wastewater or the expansion of these existing utilities. Similarly, water use would increase minimally during project construction, and no new sources of water use are anticipated during project operations compared to existing conditions. Therefore, the proposed project would not substantially increase the amount of water or wastewater requiring treatment, and would not require the need for new or improved water or wastewater treatment facilities. Impacts would be less than significant, and no further discussion is warranted in the EIR.

c. Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Less-than-Significant Impact. The proposed project would not result in a change to existing stormwater flows or drainage patterns, or result in other stormwater discharges during construction that would require new or upgraded stormwater drainage facilities. The proposed project would increase space utilization and increase efficiency of operations, but would not substantially alter the existing drainage pattern of the site because the project site would continue to discharge to the Bay and would not increase the rate or amount of surface runoff as the impervious surfaces would remain similar. Construction of the proposed project would be required to comply with the District's Municipal Stormwater Permit, Article 10 (Stormwater Management and Discharge Control Ordinance), and the JRMP. The proposed project is considered a PDP and is required to implement pollutant control BMPs, following the hierarchy described in the District's BMP Design Manual (retention, partial retention with biofiltration, biofiltration, or flow-through with participation in an Alternative Compliance Program).

As discussed above under question IX.e, during project operations, the impervious surfaces associated with the site would remain consistent with existing conditions because the majority of the site currently consists of impervious surfaces. The proposed project site would continue to discharge directly to the Bay. As such, the proposed project would not substantially increase the amount of surface runoff that could exceed the capacity of existing or planned stormwater drainage systems, requiring the construction of new or expansion of existing storm drain facilities. Additionally, it is anticipated that relevant proposed project elements would incorporate existing BMPs, including the Storm Water Diversion System, or modify/develop project-specific BMPs as appropriate. The diversion system consists of 36 catch basins and associated piping, and secondary containment. Additional system capacity would not be required. Therefore, impacts would be less than significant, and no further analysis is warranted in the EIR.

d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

Less-than-Significant Impact. Potable water would be provided to contractors on site during various project activities including demolition activities to limit fugitive dust propagation, concrete preparation and placement, and other general use. Dredge and utility projects do not require potable water use. Approximately 150,000 gallons of water would be required for construction of the proposed project.

The proposed project includes the replacement of the existing Pier 3 restroom facilities requiring the provision of utilities and related infrastructure, including potable water. However, there would not be a substantial change in water use because operations would remain similar to existing operations. In fact, the worst-case (largest) total on-site vessel crew and labor force size would decrease under the proposed project. No other components of the proposed project would require potable water during project operations. Therefore, impacts on water supplies would be less than significant, and no further discussion is warranted in the EIR.

e. 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?

Less-than-Significant Impact. As discussed above in questions XVIII.a and XVIII.b, the proposed project would not generate a substantial amount of new wastewater from construction activities. Additionally, none of the operational changes associated with the proposed project would generate new sources of wastewater. Therefore, the proposed project would not substantially increase the amount of wastewater requiring treatment that would have the potential to affect the wastewater treatment capacity of the Point Loma Wastewater Treatment Plant. Impacts would be less than significant, and no further discussion is warranted in the EIR.

f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

Less-than-Significant Impact. Eight of the project elements require demolition of existing structures and disposal of the subsequent debris. The construction waste generated from this demolition would be transported from the site and disposed of at the Miramar Landfill in the city of San Diego or Otay Landfill in the city of Chula Vista. It is anticipated that a minimum of 65 percent of the construction waste would be recycled in accordance with the City of San Diego Construction and Demolition (C&D) Debris Deposit Ordinance. Scrap steel generated during demolition and construction would be handled through BAE Systems' facility scrap recycling program and, therefore, would not be disposed of at a landfill. Additionally, dredged sediment designated for upland disposal would be transported to Otay Landfill in the city of Chula Vista. Furthermore, because the proposed project would not increase the number of employees at the site, none of the operational changes associated with the proposed project would generate new sources of solid waste requiring disposal at Miramar Landfill. Therefore, impacts would be less than significant, and no further discussion is warranted in the EIR.

g. Comply with federal, state, and local statutes and regulations related to solid waste?

Less-than-Significant Impact. When first enacted, AB 939 required every city and county in the state to prepare a Source Reduction and Recycling Element in its Solid Waste Management Plan to identify how each jurisdiction planned to meet mandatory State waste diversion goals of 25% by the year 1995 and 50% by the year 2000. AB 939 also established the California Integrated Waste Management Board, the State agency designated to oversee, manage, and track California's solid waste generation each year. In order to further the goals of AB 939, statewide strategies to achieve a 75% reduction goal by 2020 were established with the adoption of AB 341 in May 2012, the main component of which implemented mandatory commercial recycling by certain businesses and public entities. Additionally, the City of San Diego C&D Debris Deposit Ordinance requires that the majority of construction, demolition, and remodeling projects requiring building, combination, and demolition permits pay a refundable C&D Debris Recycling Deposit and divert at least 65% of their debris by recycling, reusing, or donating usable materials.

Eight of the project elements require demolition of existing structures and disposal of the subsequent debris. The construction waste generated from this demolition would be transported from the site and disposed of at the Miramar Landfill in the city of San Diego or Otay Landfill in the city of Chula Vista. It is anticipated that a minimum of 65 percent of the construction waste would be recycled in accordance with the City of San Diego C&D Debris Deposit Ordinance. Additionally, dredged sediment designated for upland disposal would be transported to Otay Landfill in the city of Chula Vista. Furthermore, because the proposed project would not increase the number of employees at the site, none of the operational changes associated with the proposed project would generate new sources of solid waste requiring disposal at Miramar Landfill. Therefore, the proposed project would have a less-than-significant impact related to compliance with federal, state, and local solid waste statutes and regulations. No further analysis is warranted in the EIR.

h. Result in the wasteful, inefficient, or unnecessary use of energy or require or result in the construction of new energy system infrastructure or the expansion of existing infrastructure, the construction of which could cause significant environmental effects?

Potentially Significant Impact. Project construction would primarily consume diesel fuel through operation of heavy-duty construction equipment, material deliveries, and debris hauling; gasoline associated with worker commutes; and minor amounts of electricity associated with operation of electrically powered construction equipment. Construction-related energy use would represent a small demand on local and regional fuel and electricity supplies that could be easily accommodated by fuel suppliers. Moreover, this demand for fuel would have no noticeable effect on peak or baseline demands for energy. Therefore, construction of the proposed project would not result in a wasteful, inefficient, and unnecessary usage of direct or indirect energy.

However, operational changes associated with the proposed project could result in increased electrical demand from newer and larger classes of vessels being repaired at the site. As such, the proposed project would potentially increase energy use compared to existing conditions once operational. In addition, construction of Project Element 14 (Main Electric Utility Service Update) would require relocating the existing San Diego Gas & Electric electrical main, as well as replacing and upgrading electrical distribution equipment to ensure reliability and fault interruption to protect site infrastructure. Construction of these improvements would have the potential to result in significant environmental effects. Therefore, impacts would be potentially significant, and further analysis of these issues will be provided in the EIR's *Greenhouse Gas Emissions* section.

XIX. Mandatory Findings of Significance

Would the project?	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less-than-Significant Impact	No Impact
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☒	☐	☐	☐
b. Does the project have impacts that are individually limited, but cumulatively considerable? (*Cumulatively considerable* means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☒	☐	☐	☐
c. Does the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?	☒	☐	☐	☐

Significance criteria established by State CEQA Guidelines, Appendix G.

Would the project:

a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?

Potentially Significant Impact. In-water work would occur in the Bay, which would cause potential impacts on biological resources such as fish, green sea turtles, and marine mammal species. Therefore, further analysis of the proposed project's potential biological resources is warranted in the EIR.

Regarding cultural resources, the entire project area consists of constructed fill or water. Analysis of historic maps shows that the historic shoreline was located to the east of the project area in 1857; therefore, no native soil is present in the project area. Additionally, although several buildings and structures at the project site that would be physically altered by the proposed project incorporate elements that are 50 years old or older, those buildings and structures have been subject to substantial alteration. As such, these built resources do not maintain historical integrity with respect to a discernable period of potential significance 50 years ago or earlier. Therefore, impacts on cultural resources, would be less than significant, and no further analysis is warranted in the EIR.

b. Does the project have impacts that are individually limited, but cumulatively considerable? (Cumulatively considerable means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Potentially Significant Impact. State CEQA Guidelines Section 15130 requires a discussion of the cumulative impacts of a project when the project's incremental effect is "cumulatively considerable," meaning that the project's incremental effects are considerable when viewed in connection with the effects of past, current, and probable future projects. The cumulative impacts discussion does not need to provide as much detail as is provided in the analysis of project-specific impacts and should be guided by the standards of practicality and reasonableness.

As determined by this Initial Study, there may be potentially significant effects related to air quality, biological resources, paleontological resources, GHG emissions, hazards and hazardous materials, hydrology and water quality, land use and planning, noise and vibration, and transportation and traffic. Therefore, the project's potential contribution to cumulative impacts related to these resources will be discussed in the EIR.

Given that the project would have no impact on aesthetics, agriculture and forestry resources, cultural resources, geologic hazards and soils, mineral resources, or tribal cultural resources, it was determined that the proposed project would have no potential to result in cumulative impacts related to these resource areas. Further discussion of the cumulative effect on these resources is not warranted in the EIR.

c. Does the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?

Potentially Significant Impact. Based on the analysis above, the proposed project has the potential to result in significant impacts on air quality, biological resources, GHG emissions, hazards and hazardous materials, hydrology and water quality, land use and planning, noise and vibration, and transportation and traffic. As such, the project has the potential to result in environmental impacts that could cause substantial adverse effects on human beings, either directly or indirectly. Therefore, further discussion is warranted in the EIR.

References

Anchor QEA, LLC. 2016. *North Shipyard Remedial Action Plan Implementation Report San Diego Shipyard Sediment Site*.

BAE Systems. Personal communication with BAE Systems on June 15, 2018.

California Air Resources Board (CARB). 2005. *Air Quality And Land Use Handbook: A Community Health Perspective.* Available: https://www.arb.ca.gov/ch/handbook.pdf. Accessed: August 31, 2018.

California Department of Conservation (DOC). 2003. *Earthquake Fault Zones: Point Loma Quadrangle*. Published May.

———. 2013. *San Diego County Williamson Act 2013/2014.* Available: ftp://ftp.consrv.ca.gov/pub/dlrp/wa/San_Diego_w_13_14_WA.pdf. Accessed: August 8, 2018.

———. 2016. *San Diego County Important Farmland 2016, Sheet 1 of 2*. Published May.

California Department of Fish and Wildlife (CDFW). 2018. *California Natural Diversity Database*. August 21, 2018.

California Department of Toxic Substances Control (DTSC). 2018. EnviroStor. Available: https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=2205+e+belt+street+san+diego+ca.

California Department of Transportation (DOT). 2018. *Route 75 - Scenic Highway*. Available: http://www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways/route75.htm.

California Department of Water Resources (DWR). 2018. *Levee Flood Protection Zone (LFPZ).* Available: http://gis.lfpz.water.ca.gov/lfpz/. Accessed: September 3, 2018.

California Native Plant Society (CNPS). 2018. *Inventory Of Rare And Endangered Plants* (Online Edition, V8-02). California Native Plant Society. Sacramento, CA. Available: http://www.rareplants.cnps.org/advanced.html Accessed: August 21, 2018.

City of San Diego. 1997. Multiple Species Conservation Program (MSCP Subarea Plan). Available: https://www.sandiego.gov/sites/default/files/legacy//planning/programs/mscp/pdf/subareafullversion.pdf.

———. 2008a. *Seismic Safety Study Geologic Hazards and Faults*. Available: http://archive.sandiego.gov/development-services/industry/hazards/pdf/geo13.pdf. Accessed: August 6, 2018.

———. 2008b. *General Plan: Conservation Element*. Planning Department. Available: http://www.sandiego.gov/planning/genplan/pdf/2012/ce120100.pdf. Accessed: August 22, 2018.

———. 2009. *Very High Fire Hazard Severity Zone Map*. Available: https://www.sandiego.gov/sites/default/files/legacy/fire/pdf/maps/grid11.pdf. Accessed: August 20, 2018.

———. 2015. *General Plan: Public Facilities, Services and Safety Element.* Planning Department. Available: http://www.sandiego.gov/planning/genplan/. Accessed: August 6, 2018.

———. 2016a. *California Environmental Quality Act Significance Determination Thresholds*. Development Services Department. July.

———. 2016b. *2015 Urban Water Management Plan*. June 2016.

County of San Diego. 2017. *Multi-Jurisdictional Hazard Mitigation Plan.* October.

Federal Emergency Management Agency (FEMA). 2012 Floodplain GIS Data. Available: https://msc.fema.gov/portal/search?AddressQuery=2205%20E%20Belt%20Street%20San%20Diego%2C%20CA%2092113#searchresultsanchor.

Kennedy and Tan. 2008. Geologic Map of the San Diego 30'x60' Quadrangle, California. California Geological Survey, Regional Geologic Map No. 3, 1:100,000 scale.

National Environmental Title Research, LLC (NETR). 2018. *Historic Aerial Views of BAE Systems Site, 1953, 1966, 1980, 1981, 1989, 1994, 1996, 2002, 2003, 2005, 2009, 2014*. Available: https://www.historicaerials.com. Accessed: August 8, 2018.

National Oceanic and Atmospheric Administration (NOAA). 2014. *California Eelgrass Mitigation Policy and Implementing Guidelines.* October. Available: http://www.westcoast.fisheries.noaa.gov/publications/habitat/california_eelgrass_mitigation/Final%20CEMP%20October%202014/cemp_oct_2014_final.pdf.

Onyx Group. 2011. *Air Installation Compatible Use Zones (AICUZ) Study Update for NAS North Island and Naval Outlying Landing Field Imperial Beach*. *Figure 4-8.*

Ricondo & Associates. 2014. *San Diego International Airport, Airport Land Use Compatibility Plan (ALUCP). Exhibit 2-1.*

San Diego Association of Governments (SANDAG). 2015. *San Diego Forward; The Regional Plan.* October 2015. Available: http://sdforward.com/pdfs/Final_PDFs/The_Plan_combined.pdf. Accessed: August 14, 2018.

San Diego County Regional Airport Authority, Airport Land Use Commission. San Diego International Airport (SDIA). 2014. *Airport Land Use Compatibility Plan*. Adopted April 3, 2014, Amended May 1, 2014. Available: http://www.san.org/Portals/0/Documents/Land%20Use%20Compatibility/SDIA/SDIA%20Factor%20Maps%20and%20Matrices.pdf. Accessed: August 8, 2018.

San Diego Unified Port District (District). 2013. *Integrated Natural Resources Management Plan*. September. Available: https://www.Portofsandiego.Org/Document/Environment/Natural-Resources/5730-Inrmp-September-2013/File.html.

———. 2015. *Pier 1 North Drydock, Associated Real Estate Agreements, and Removal of Cooling Tunnels Project Draft EIR*. April 2015.

———2017. *Port Master Plan*. August.

State Water Resources Control Board (SWRCB). 2018. GeoTracker. Available: http://geotracker.waterboards.ca.gov/map/?CMD=runreport&myaddress=2205+e+belt+street+san+diego. Accessed: August 8, 2018.

Terra Costa Consulting Group Inc. 2015. *Final Geotechnical Investigation. Pier 1 North, Large Dry Dock.* October.

Tetra Tech, Inc. 2016. *Historical Study of Shipyard Sites on the San Diego Waterfront, Cesar E. Chavez Parkway to Sicard Street, San Diego, California*. September. Prepared for the San Diego Unified Port District, San Diego, California.

U.S. Department of Agriculture. 1973. *Soil Survey of San Diego Area, California*. USDA Soil Conservation Service. December.

Document Preparation

Consistent with State CEQA Guidelines Section 15063 (d) (6), the following section provides a listing of the persons who prepared this Initial Study and those persons who participated in its review.

Table IS-1. Lead Agency – Unified Port of San Diego

Name and Affiliation	Title
Real Estate and Development Services	
Wileen Manaois	Director, Development Services
Joseph Smith	Department Manager, Development Services
Kelly Czechowski	Senior Planner, Development Services
Kenneth Sorenson	Project Review Associate, Development Services
Amber Jensen	Asset Manager, Real Estate
Planning and Green Port	
Eileen Maher	Principal
Paul Brown	Program Manager
Office of the General Counsel	
Rebecca Harrington	Senior Deputy General Counsel

Table IS-2. List of Initial Study Preparers and Contributors

Company Affiliation and Name	Role and/or Technical Section
ICF	
Charlie Richmond	Project Director
Elizabeth Doalson	Project Manager
Tristan Evert	Environmental Planner
Claudia Watts	Environmental Planner
Matt McFalls	Air Quality and Greenhouse Gas Emissions
Karen Crawford	Technical Director, Cultural Resources
Karolina Chmiel	Cultural Resources (Pre-Historic)
Tim Yates, Ph.D.	Cultural Resources (Historic)
Jonathan Higginson	Noise and Vibration
David Duncan	Graphics/GIS
Ken Cherry	Editor
Dudek	
Matt Valerio	Senior Environmental Project Manager

This page intentionally left blank

Appendix B

Comments Received on the Notice of Preparation

STATE OF CALIFORNIA

Governor's Office of Planning and Research

State Clearinghouse and Planning Unit

Gavin Newsom
Governor

Kate Gordon
Director

Notice of Preparation

RECEIVED
12
MAR ~~10~~ 2019
SAN DIEGO UNIFIED
PORT DISTRICT
REAL ESTATE

March 7, 2019

To: Reviewing Agencies

Re: BAE Systems Waterfront Improvement Project
SCH# 2019039040

Attached for your review and comment is the Notice of Preparation (NOP) for the BAE Systems Waterfront Improvement Project draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Joseph Smith
San Diego Unified Port District
P.O. Box 120488
San Diego, CA 92112-0488

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Director, State Clearinghouse

Attachments
cc: Lead Agency

Document Details Report
State Clearinghouse Data Base

SCH# 2019039040
Project Title BAE Systems Waterfront Improvement Project
Lead Agency San Diego Unified Port District

Type NOP Notice of Preparation

Description The proposed project would replace aging structures, improve existing infrastructure, and increase space utilization, and increase efficiency of operations at the existing BAE systems Sand Diego Ship repair yard. While these improvements would allow for newer and different classes of vessels to be moored and repaired on site, the proposed improvements are not expected to increase the number of vessels serviced as no new berthing space would be provided and the mooring of new, larger vessels would reduce the number of other vessels that could be concurrently moored at the ship repair yard. The proposed project includes 15 distinct project elements designed to improve efficiency and functionality of the existing BAE Systems San Diego Ship Repair Yard.

Lead Agency Contact

Name Joseph Smith
Agency San Diego Unified Port District
Phone 619-686-6597 **Fax**
email
Address P.O. Box 120488
City San Diego **State** CA **Zip** 92112-0488

Project Location

County San Diego
City San Diego
Region
Cross Streets East Belt Street and Sampson Street
Lat / Long 32° 41' 33.6" N / 117° 08' 38.4" W
Parcel No.
Township **Range** **Section** **Base**

Proximity to:

Highways 5, 75, 15, 94, 282
Airports SDIA
Railways BNSF, Amtrak
Waterways San Diego Bay, Chollas Creek
Schools Perkins ES, Burbank ES
Land Use Marine Related Industrial, Specialized Berthing

Project Issues Air Quality; Biological Resources; Coastal Zone; Drainage/Absorption; Flood Plain/Flooding; Noise; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Wetland/Riparian; Landuse; Cumulative Effects; Other Issues

Reviewing Agencies Resources Agency; Department of Fish and Wildlife, Region 5; Department of Fish and Wildlife, Marine Region; Native American Heritage Commission; Public Utilities Commission; State Lands Commission; Caltrans, Division of Aeronautics; California Highway Patrol; Caltrans, District 11; Air Resources Board, Major Industrial Projects; State Water Resources Control Board; Regional Water Quality Control Board, Region 9; Department of Boating and Waterways; San Diego River Conservancy

Date Received 03/07/2019 **Start of Review** 03/07/2019 **End of Review** 04/05/2019

Note: Blanks in data fields result from insufficient information provided by lead agency

Print Form

Appendix C

Notice of Completion & Environmental Document Transmittal

2019039040

SCH #

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

Project Title: BAE Systems Waterfront Improvement Project

Lead Agency: San Diego Unified Port District | Contact Person: Joseph Smith

Mailing Address: Post Office Box 120488 | Phone: 619-686-6597

City: San Diego | Zip: 92112 | County: San Diego

Project Location: County: San Diego | City/Nearest Community: San Diego

Cross Streets: East Belt Street and Sampson Street | Zip Code: 92113

Longitude/Latitude (degrees, minutes and seconds): 32 ° 41 ' 33.6 " N / 117 ° 08 ' 38.4 " W | Total Acres: 35.8

Assessor's Parcel No.: N/A | Section: N/A | Twp.: N/A | Range: N/A | Base: N/A

Within 2 Miles: State Hwy #: 5, 75, 15, 94, 282 | Waterways: San Diego Bay, Chollas Creek

Airports: SDIA | Railways: BNSF, Amtrak | Schools: Perkins ES, Burbank ES

Governor's Office of Planning & Research

MAR 07 2019

STATE CLEARINGHOUSE

Document Type:

CEQA: ☒ NOP ☐ Draft EIR | NEPA: ☐ NOI | Other: ☐ Joint Document
☐ Early Cons ☐ Supplement/Subsequent EIR | ☐ EA | ☐ Final Document
☐ Neg Dec (Prior SCH No.) | ☐ Draft EIS | ☐ Other:
☐ Mit Neg Dec ☐ Other: | ☐ FONSI

Local Action Type:

☐ General Plan Update ☐ Specific Plan ☐ Rezone ☐ Annexation
☐ General Plan Amendment ☐ Master Plan ☐ Prezone ☒ Redevelopment
☐ General Plan Element ☐ Planned Unit Development ☐ Use Permit ☒ Coastal Permit
☐ Community Plan ☐ Site Plan ☐ Land Division (Subdivision, etc.) ☐ Other:

Development Type:

☐ Residential: Units ____ Acres ____
☐ Office: Sq.ft. ____ Acres ____ Employees ____
☐ Commercial: Sq.ft. ____ Acres ____ Employees ____
☒ Industrial: Sq.ft. 137,500 Acres ____ Employees ____
☐ Educational: ____
☐ Recreational: ____
☐ Water Facilities: Type ____ MGD ____
☐ Transportation: Type ____
☐ Mining: Mineral ____
☐ Power: Type ____ MW ____
☐ Waste Treatment: Type ____ MGD ____
☐ Hazardous Waste: Type ____
☐ Other: Dredging (107,800 cy)

Project Issues Discussed in Document:

☐ Aesthetic/Visual ☐ Fiscal ☐ Recreation/Parks ☒ Vegetation
☐ Agricultural Land ☒ Flood Plain/Flooding ☐ Schools/Universities ☒ Water Quality
☒ Air Quality ☐ Forest Land/Fire Hazard ☐ Septic Systems ☐ Water Supply/Groundwater
☐ Archeological/Historical ☐ Geologic/Seismic ☐ Sewer Capacity ☒ Wetland/Riparian
☒ Biological Resources ☐ Minerals ☐ Soil Erosion/Compaction/Grading ☐ Growth Inducement
☒ Coastal Zone ☒ Noise ☐ Solid Waste ☒ Land Use
☒ Drainage/Absorption ☐ Population/Housing Balance ☒ Toxic/Hazardous ☒ Cumulative Effects
☐ Economic/Jobs ☐ Public Services/Facilities ☒ Traffic/Circulation ☒ Other: GHG, Energy

Present Land Use/Zoning/General Plan Designation:

Marine Related Industrial, Specialized Berthing

Project Description: *(please use a separate page if necessary)*

The proposed project would replace aging structures, improve existing infrastructure, increase space utilization, and increase efficiency of operations at the existing BAE Systems San Diego Ship Repair Yard. While these improvements would allow for newer and different classes of vessels to be moored and repaired on site, the proposed improvements are not expected to increase the number of vessels serviced as no new berthing space would be provided and the mooring of new, larger vessels would reduce the number of other vessels that could be concurrently moored at the ship repair yard. The proposed project includes 15 distinct project elements designed to improve efficiency and functionality of the existing BAE Systems San Diego Ship Repair Yard.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

NOP Distribution List

County: San Diego

SCH# 2019039040

sources Agency

Resources Agency
Nadell Gayou

- [x] **Dept. of Boating & Waterways**
  Denise Peterson
- [ ] **California Coastal Commission**
  Allyson Hitt
- [ ] **Colorado River Board**
  Elsa Contreras
- [ ] **Dept. of Conservation**
  Crina Chan
- [ ] **Cal Fire**
  Dan Foster
- [ ] **Central Valley Flood Protection Board**
  James Herota
- [ ] **Office of Historic Preservation**
  Ron Parsons

Dept of Parks & Recreation
Environmental Stewardship Section

- [ ] **S.F. Bay Conservation & Dev't. Comm.**
  Steve Goldbeck
- [ ] **Dept. of Water Resources**
  Resources Agency
  Nadell Gayou

Fish and Game

- [ ] **Depart. of Fish & Wildlife**
  Scott Flint
  Environmental Services Division
- [ ] **Fish & Wildlife Region 1**
  Curt Babcock
- [ ] **Fish & Wildlife Region 1E**
  Laurie Harnsberger
- [ ] **Fish & Wildlife Region 2**
  Jeff Drongesen
- [ ] **Fish & Wildlife Region 3**
  Craig Weightman
- [ ] **Fish & Wildlife Region 4**
  Julie Vance
- [x] **Fish & Wildlife Region 5**
  Leslie Newton-Reed
  Habitat Conservation Program
- [ ] **Fish & Wildlife Region 6**
  Tiffany Ellis
  Habitat Conservation Program
- [ ] **Fish & Wildlife Region 6 I/M**
  Heidi Calvert
  Inyo/Mono, Habitat Conservation Program
- [x] **Dept. of Fish & Wildlife M**
  William Paznokas
  Marine Region

Other Departments

- [ ] **California Department of Education**
  Lesley Taylor
- [ ] **OES (Office of Emergency Services)**
  Monique Wilber
- [ ] **Food & Agriculture**
  Sandra Schubert
  Dept. of Food and Agriculture
- [ ] **Dept. of General Services**
  Cathy Buck
  Environmental Services Section
- [ ] **Housing & Comm. Dev.**
  CEQA Coordinator
  Housing Policy Division

Independent Commissions,Boards

- [ ] **Delta Protection Commission**
  Erik Vink
- [ ] **Delta Stewardship Council**
  Anthony Navasero
- [ ] **California Energy Commission**
  Eric Knight
- [x] **Native American Heritage Comm.**
  Debbie Treadway
- [x] **Public Utilities Commission**
  Supervisor
- [ ] **Santa Monica Bay Restoration**
  Guangyu Wang
- [x] **State Lands Commission**
  Jennifer Deleong
- [ ] **Tahoe Regional Planning Agency (TRPA)**
  Cherry Jacques

Cal State Transportation Agency CalSTA

- [x] **Caltrans - Division of Aeronautics**
  Philip Crimmins
- [ ] **Caltrans – Planning HQ LD-IGR**
  Christian Bushong
- [x] **California Highway Patrol**
  Suzann Ikeuchi
  Office of Special Projects

Dept. of Transportation

- [ ] **Caltrans, District 1**
  Rex Jackman
- [ ] **Caltrans, District 2**
  Marcelino Gonzalez
- [ ] **Caltrans, District 3**
  Susan Zanchi
- [ ] **Caltrans, District 4**
  Patricia Maurice
- [ ] **Caltrans, District 5**
  Larry Newland
- [ ] **Caltrans, District 6**
  Michael Navarro
- [ ] **Caltrans, District 7**
  Dianna Watson
- [ ] **Caltrans, District 8**
  Mark Roberts
- [ ] **Caltrans, District 9**
  Gayle Rosander
- [ ] **Caltrans, District 10**
  Tom Dumas
- [x] **Caltrans, District 11**
  Jacob Armstrong
- [ ] **Caltrans, District 12**
  Maureen El Harake

Cal EPA

Air Resources Board

- [ ] **Airport & Freight**
  Jack Wursten
  - [ ] **Transportation Projects**
    Nesamani Kalandiyur
  - [x] **Industrial/Energy Projects**
    Mike Tollstrup
- [ ] **California Department of Resources, Recycling & Recovery**
  Kevin Taylor/Jeff Esquivel
- [ ] **State Water Resources Control Board**
  Regional Programs Unit
  Division of Financial Assistance

State Water Resources Control Board
Cindy Forbes – Asst Deputy
Division of Drinking Water

- [ ] **State Water Resources Control Board**
  Div. Drinking Water #_____
- [x] **State Water Resources Control Board**
  Student Intern, 401 Water Quality Certification Unit
  Division of Water Quality
- [ ] **State Water Resouces Control Board**
  Phil Crader
  Division of Water Rights
- [ ] **Dept. of Toxic Substances Control Reg. #_____**
  CEQA Tracking Center
- [ ] **Department of Pesticide Regulation**
  CEQA Coordinator

Regional Water Quality Control Board (RWQCB)

- [ ] **RWQCB 1**
  Cathleen Hudson
  North Coast Region (1)
- [ ] **RWQCB 2**
  Environmental Document Coordinator
  San Francisco Bay Region (2)
- [ ] **RWQCB 3**
  Central Coast Region (3)
- [ ] **RWQCB 4**
  Teresa Rodgers
  Los Angeles Region (4)
- [ ] **RWQCB 5S**
  Central Valley Region (5)
  - [ ] **RWQCB 5F**
    Central Valley Region (5)
    Fresno Branch Office
  - [ ] **RWQCB 5R**
    Central Valley Region (5)
    Redding Branch Office
- [ ] **RWQCB 6**
  Lahontan Region (6)
  - [ ] **RWQCB 6V**
    Lahontan Region (6)
    Victorville Branch Office
- [ ] **RWQCB 7**
  Colorado River Basin Region (7)
- [ ] **RWQCB 8**
  Santa Ana Region (8)
- [x] **RWQCB 9**
  San Diego Region (9)

- [ ] **Other** _____

_____

_____

- [x] San Diego Conservancy

Last Updated 5/22/18

DEPARTMENT OF TRANSPORTATION
DISTRICT 11
4050 TAYLOR STREET, MS-240
SAN DIEGO, CA 92110
PHONE (619) 688-6075
FAX (619) 688-4299
TTY 711
www.dot.ca.gov

Making Conservation a California Way of Life.

04/02/2019

11-SD-I-5
PM 13.7
BAE Systems Waterfront Improvement Project
SCH#2019039040

Mr. Joseph Smith
Department Manager
San Diego Unified Port District
P.O. Box 120488
San Diego, CA 92112

Dear Mr. Smith:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the Notice of Preparation of a Draft Environmental Impact Report for the BAE Systems Waterfront Improvement Project located near Interstate 5 (I-5). The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability. The Local Development-Intergovernmental Review (LD-IGR) Program reviews land use projects and plans to ensure consistency with our mission and state planning priorities.

Caltrans has the following comments:

Traffic Impact Study

A traffic impact study (TIS) is necessary to determine this proposed project's near-term and long-term impacts to the State facilities – existing and proposed – and to propose appropriate mitigation measures.

- Please include ramp intersections at Route I-5 and/S 28th Street. The geographic area examined in the TIS should also include, at a minimum, all regionally significant arterial system segments and intersections, including State highway facilities where the project will add over 100 peak hour trips. State highway facilities that are experiencing noticeable delays should be analyzed in the scope of the traffic study for projects that add 50 to 100 peak hour trips.
- A focused analysis may be required for project trips assigned to a State highway facility that is experiencing significant delay, such as where traffic queues exceed ramp storage capacity.
- In addition, the TIS could also consider implementing vehicles miles traveled (VMT) analysis into their modeling projections.

- Any increase in goods movement operations and its impacts to State highway facilities should be addressed in the TIS.
- The data used in the TIS should not be more than 2 years old.
- Please provide Synchro Version 10 files.
- Early coordination is recommended.

Traffic Control Plan/Hauling

The California Department of Transportation (Caltrans) has discretionary authority with respect to highways under its jurisdiction and may, upon application and if good cause appears, issue a special permit to operate or move a vehicle or combination of vehicles or special mobile equipment of a size or weight of vehicle or load exceeding the maximum limitations specified in the California Vehicle Code. The Caltrans Transportation Permits Issuance Branch is responsible for the issuance of these special transportation permits for oversize/overweight vehicles on the State Highway System. Additional information is provided online at:
http://www.dot.ca.gov/trafficops/permits/index.html

A Traffic Control Plan is to be submitted to Caltrans District 11, including the interchanges at Route 5 and S 28th Street, at least 30 days prior to the start of any construction. Traffic shall not be unreasonably delayed. The plan shall also outline suggested detours to use during closures, including routes and signage.

Potential impacts to the highway facilities (Route 5) and traveling public from the detour, demolition and other construction activities should be discussed and addressed before work begins.

If you have any questions, please contact Roger Sanchez Rangel, of the Caltrans Development Review Branch, at (619) 688-6494 or by e-mail sent to roger.sanchez-rangel@dot.ca.gov.

Sincerely,

Melina Pereira

MELINA PEREIRA, Acting Branch Chief
Local Development and Intergovernmental Review Branch

NATIVE AMERICAN HERITAGE COMMISSION
Cultural and Environmental Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691 Phone (916) 373-3710
Email: nahc@nahc.ca.gov
Website: http://www.nahc.ca.gov
Twitter: @CA_NAHC

RECEIVED
APR 08 2019
SAN DIEGO UNIFIED
PORT DISTRICT
REAL ESTATE

April 2, 2019

Joseph Smith
San Diego Unified Port District
P.O. Box 120488
San Diego, CA 92112-0488

RE: SCH# 2019039040 BAE Systems Waterfront Improvement Project, San Diego County

Dear Mr. Smith:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:
    a. A brief description of the project.
    b. The lead agency contact information.
    c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
    d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).
    a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:
    a. Alternatives to the project.
    b. Recommended mitigation measures.
    c. Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:
    a. Type of environmental review necessary.
    b. Significance of the tribal cultural resources.
    c. Significance of the project's impacts on tribal cultural resources.
    d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:
    a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
    b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:
    a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
    b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:
    a. Avoidance and preservation of the resources in place, including, but not limited to:
        i. Planning and construction to avoid the resources and protect the cultural and natural context.
        ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
    b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
        i. Protecting the cultural character and integrity of the resource.
        ii. Protecting the traditional use of the resource.
        iii. Protecting the confidentiality of the resource.
    c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
    d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).
    e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).
    f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
    a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.
    b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
    c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
    a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
    b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
    a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
    b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
    c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Steven.Quinn@nahc.ca.gov.

Sincerely,

for Steven Quinn
Associate Governmental Program Analyst

cc: State Clearinghouse

Evert, Tristan

From: Joseph Smith <jdsmith@portofsandiego.org>
Sent: Monday, April 8, 2019 2:46 PM
To: Doalson, Elizabeth
Cc: Matthew Valerio; Richmond, Charlie
Subject: FW: Notice of Preparation of a Draft EIR for BAE Systems Waterfront Improvement Project



NOP Comment

From: Adams, Loni@Wildlife <Loni.Adams@wildlife.ca.gov>
Sent: Monday, April 8, 2019 2:43 PM
To: Joseph Smith <jdsmith@portofsandiego.org>
Cc: Lasiter, Melody@Coastal <melody.lasiter@coastal.ca.gov>; Jonathan_d_snyder@fws.gov; Bryant Chesney - NOAA Federal <bryant.chesney@noaa.gov>
Subject: Notice of Preparation of a Draft EIR for BAE Systems Waterfront Improvement Project



Dear Mr. Smith:

The Department of Fish and Wildlife (Department) has received your Notice of Preparation of a Draft Environmental Impact Report (Draft EIR) for BAE Systems Waterfront Improvements Project. The Department has the following preliminary comments that we believe should be addressed or analyzed in the Draft EIR:

1. The San Diego Bay (Bay) is considered locally and regionally important to fish and wildlife, and a significant State area of habitat for Eelgrass beds (Zostera marina). This includes State fully protected and endangered California least tern (nesting and foraging habitat), California brown pelicans, Peregrine falcons as well as federally protected Green sea turtles and marine mammals. The Bay provides habitat for numerous sport and commercially important fish/invertebrate species managed by the State. Finally, the Bay and Eelgrass beds provides significant calm waters and habitat essential for sensitive and/or locally rare resident and migratory fish and bird species (listed and/or non-listed). These species and Bay habitats should be comprehensively identified with recent or future field surveys and monitoring studies as appropriate and fully analyzed for physical and behavioral impacts as applicable. Any potential temporary or permanent impacts to State fully protected species and their habitats should be considered for full impact avoidance as feasible (i.e. timing construction phases to avoid the breeding/nesting or spawning season).

2. For marine habitat losses in general, avoidance is preferred as feasible. The area of unavoidable habitat losses should be minimized to the maximum extent. If net

areal losses are unavoidable, they should be compensated through proposed mitigation, monitoring and reporting plans with proposed mitigation sites managed in perpetuity. Proposed losses or habitat conversions due to dredging/fill, additional pile fill if any, and loss from overwater structure (Bay surface water losses or seabird foraging habitat losses), and impacts to eelgrass/soft bottom benthic habitats and water column due to shading should be fully analyzed for each alternative. The Department advocates for construction designs/technologies and project alternatives that have the least net native habitat losses and/or the least degradation effects. We don't consider artificial hard structure area (i.e. piles and rip rap) in offsetting net losses to native habitats and substrates (i.e. soft bottom) unless otherwise agreed upon by the Department and other natural resource agencies.

As described in State CEQA Guidelines Section 15370, mitigation includes:

- avoiding the impact altogether by not taking a certain action or parts of an action;
- minimizing impacts by limiting the degree or magnitude of the action and its implementation;
- rectifying the impact by repairing, rehabilitating, or restoring the impacted environment;
- reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action; and
- compensating for the impact by replacing or providing substitute resources or environments.

3. Operational impacts that may result from the ongoing activities, (i.e. additional or increased impacts such as turbidity/sedimentation, underwater noise and marine habitat degradation over time should be fully analyzed for this individual project and cumulatively. The project impacts may be cumulatively significant taking into consideration with other past, proposed and future projects/operations.

4. The latest underwater noise studies should be reviewed for construction/pile driving noises. The newest feasible technologies to avoid or significantly reduce noise impacts (studies related to physical, behavior stress to fish, invertebrates, marine mammals, turtles are available) should be used such as pile driving containments especially if piles are driven during C. least tern bird breeding season.

5. Seabird forage fish (seabird forage habitat) is likely abundant in the project area due to known eelgrass beds identified for the recently proposed HII San Diego Shipyard Wharf Repair Project. If avoiding the C. least tern breeding/nesting season is feasible for most if not all of the pile driving portion of the project, and turbidity/noise abatement technologies are feasible, then these mitigation measures should be considered as precautionary protection measures to protect the foraging habitat for this State fully protected species.

6. The Department would like to be included in any project coordination meetings, review of draft or final documents as it relates to biological resources, mitigation,

monitoring and reporting plans so that we have an opportunity to review, make comments, provide references, and be present for project scoping and sites visits. Specifically, we would appreciate being included in inter-agency collaborations to primarily avoid and/or minimize unavoidable project and cumulative impacts to biological resources and marine ecosystems within or adjacent to the project area.

7. Proposed eelgrass compensation plans that may include transplanting of eelgrass to mitigation sites should be coordinated as early as possible with Loni Adams of the Department in order to determine if a Scientific Collectors Permit or a Letter of Authorization for transplanting is required.

The Department may have additional comments in the future. Feel free to contact me if you have any questions.

Sincerely,

Loni Adams
Marine Environmental Scientist
California Department of Fish and Wildlife
Marine Region
3883 Ruffin Rd.
San Diego, CA 92123
858-627-3985 office
loni.adams@wildlife.ca.gov

The City of SAN DIEGO
Planning Department

April 8, 2019

Joseph Smith, Department Manager
Development Services Department
San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101

Subject: **CITY OF SAN DIEGO COMMENTS ON THE NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE BAE SYSTEMS WATERFRONT IMPROVEMENT PROJECT (UPD #EIR-2018-197)**

Dear Mr. Smith:

The City of San Diego (City) Planning Department has received the Notice of Preparation (NOP) prepared by the San Diego Unified Port District (District) and distributed it to applicable City departments for review. The City, as a Responsible Agency under CEQA, has reviewed the NOP and appreciates this opportunity to provide comments to the District. The City looks forward to continued coordination with the District and other local, regional, state, and federal agencies. In response to this request for public comments, the City has the following comments on the NOP for your consideration.

• • •

TRANSPORTATION & STORM WATER DEPARTMENT – MARK G. STEPHENS, ASSOCIATE PLANNER – MGStephens@sandiego.gov, 858-541-4361

1. **Initial Study/Environmental Checklist: IX. Hydrology and Water Quality (Pages 25-28).** The narrative should address the proposed work being done in accordance with the San Diego Bay Watershed Management Area Water Quality Improvement Plan (WQIP) and the Regional Municipal Separate Storm Sewer System (MS4) Permit (Order No. R9-2013-0001, as amended by Order No. R9-2015-0001 and R9-2015-0100) to the extent they (and any successor documents) apply.
2. Water quality is recognized as a potentially significant impact area and using a storm water diversion system to redirect storm water to the City's municipal sanitary sewer system is anticipated, among other best management practices (BMPs). The varied array of proposed project elements and activities warrants broad coverage of these potential impacts.
3. Results of San Diego Regional Water Quality Control Board Investigative Order R9-2017-0083, which directed BAE Systems San Diego Ship Repair, Inc. and San Diego Gas and Electric Company to submit technical reports pertaining to an investigation

of sediment chemistry in San Diego Bay to the north of BAE Systems, should be included among potential information sources.

DEVELOPMENT SERVICES DEPARTMENT – ISMAIL ELHAMAD, ASSOCIATE TRAFFIC ENGINEER – IElhamad@sandiego.gov, 619-446-5494

1. The Transportation Impact Analysis in the DEIR should follow the guidelines of the *City of San Diego Traffic Impact Study Manual, July 1998*, including various scenarios to be included, for all transportation facilities within the City of San Diego evaluated.
2. The Transportation Impact Analysis in the DEIR should apply the *City of San Diego Significance Determination Thresholds, July 2016* for all transportation facilities within the City of San Diego evaluated.
3. The DEIR should include alternatives that avoid or lessen expected transportation/circulation/parking impacts, including at least one alternative that would avoid unmitigated significant impacts to the City of San Diego's transportation facilities.
4. Potentially impacted transportation facilities within the City of San Diego should be evaluated, and significant traffic impacts to these transportation facilities should be mitigated.
5. The DEIR should analyze the separate phases of the project with approximate timelines for each phase.
6. The DEIR should evaluate opportunities for enhanced access to the site via transit, bicycle, pedestrian or other modes.
7. The DEIR transportation impact analysis should include analysis of all anticipated construction traffic impacts, especially any additional impacts if staging cannot be accommodated onsite.
8. Pursuant to SB 743, we recommend a Vehicle Miles Traveled (VMT) analysis be included in the transportation impact analysis and DEIR.

ENVIRONMENTAL SERVICES DEPARTMENT – LISA WOOD, PRINCIPAL PLANNER – LFWood@sandiego.gov, 858-573-1236

1. The City requests the District consider solid waste impacts.

• • •

Thank you for the opportunity to provide comments on the NOP. Please contact me directly if there are any questions regarding the contents of this letter or if the District would like to meet with City staff to discuss our comments. Please feel free to contact Rebecca Malone, Senior Planner, directly via email at RMalone@sandiego.gov or by phone at 619-446-5371.

Sincerely,

Heidi Vonblum, Program Manager
Planning Department

RM/ep

cc: Reviewing Departments (via email)
Review and Comment online file

Evert, Tristan

From: Joseph Smith <jdsmith@portofsandiego.org>
Sent: Friday, April 5, 2019 2:40 PM
To: Doalson, Elizabeth; Matthew Valerio
Cc: Richmond, Charlie
Subject: Fwd: BAE Systems Waterfront Improvement Project NOP - SANDAG Comments

NOP comment

Begin forwarded message:

> **From:** "Hentrich, Katie" <Katie.Hentrich@sandag.org>
> **Date:** April 5, 2019 at 10:46:59 AM PDT
> **To:** "jdsmith@portofsandiego.org" <jdsmith@portofsandiego.org>
> **Cc:** "Litchney, Seth" <Seth.Litchney@sandag.org>
> **Subject: BAE Systems Waterfront Improvement Project NOP - SANDAG Comments**
>
> Dear Mr. Smith,
>
> Thank you for the opportunity to comment on the Port of San Diego's BAE Systems Waterfront Improvement Project Notice of Preparation (NOP). The San Diego Association of Governments (SANDAG) is submitting the following comments:
>
> - Please consider transportation demand management (TDM) strategies to mitigate potential traffic and parking impacts associated with construction of the project. TDM measures reduce drive-alone trips by encouraging the use of transportation alternatives such as vanpool, carpool, transit, and biking. TDM strategies could include:
>
> - Encouraging employees and construction workers to carpool or vanpool to work. Providing priority and designated parking spaces for those who carpool or vanpool to work. Providing priority and designated parking spaces for those who carpool or vanpool may also further incentivize employees to rideshare to work. The SANDAG Vanpool Program provides a subsidy of up to $400 per month for vanpooling.
>
> - Providing discounted transit passes to employees and construction workers to encourage transit ridership and reduce demand for parking.
>
> - Providing secure bike parking facilities and on-site bike amenities like showers and lockers. Given the proximity to the Bayshore Bikeway, ensure that waterfront improvements help facilitate safe and convenient access to regional bike facilities to encourage biking to work.
>
> - Please consider partnering with the SANDAG TDM program, iCommute, to take advantage of regional TDM programs and services. This includes the SANDAG Vanpool Program, Guaranteed Ride Home service, support for carpool, transit, and bike encouragement programs. More information on available regional TDM programs can be accessed through www.iCommuteSD.com.
>
> If you have any questions, please contact me or Seth Litchney (seth.litchney@sandag.org).

Sincerely,

Katie Hentrich
Associate Regional Energy/Climate Planner

SANDAG
(619) 595-5609
401 B Street, Suite 800, San Diego, CA 92101



Facebook | Twitter | YouTube | Instagram
SANDAG *offices are open Tuesday-Friday and every other Monday from 8 a.m.-5 p.m.*

ENVIRONMENTAL HEALTH COALITION
2727 HOOVER AVE., SUITE 202 · NATIONAL CITY, CA 91950 · (619) 474-0220 · WWW.ENVIRONMENTALHEALTH.ORG

April 8, 2019

San Diego Unified Port District,
Development Services Department
Attn: Joseph Smith, Department Manager

Via email to: jdsmith@portofsandiego.org

Re: Comments on Notice of Preparation for BAE Systems Waterfront Improvement Project (UDP #EIR-2018-197)

Dear Mr. Smith:

Environmental Health Coalition (EHC) appreciates the opportunity to review the Notice of Preparation for the BAE Systems Waterfront Improvement Project. This massive project will take 5 years, will include dredging of more than 15,000 tons of material, and result in an increase in ship repair days, in addition to the potential impacts of the larger vessels that will be coming to BAE. We concur that a full EIR is needed for this project, and offer the following comments on the areas that are important to include in the analysis. Our recommendations for mitigation measures are also included.

Air Quality

Larger Vessel Impacts

The project will allow larger vessels to come to BAE, as stated on page 20 of the Initial Study (IS). Also, as stated on page 32 of the IS, the total number of ship repair days per year at the site would increase. Both of these factors create potential for air quality impacts that should be analyzed in the EIR. Regarding larger vessels, will these take longer to transit through the bay to the site, compared to current sizes of ships at BAE? Will more or larger tugboats be required to maneuver these larger ships? Do the larger ships have more, or more powerful, engines, and does this increase the volume of emissions from the ships while in transit and at berth? Regarding the greater number of ship repair days, what is the magnitude of this increase? What are the implications for the number of workers on site, the hours per year that equipment used in maintenance and repair will be operating, or the total emissions from shipyard operations?

Dredging Impacts

Project Element 4 of the proposed project will entail dredging of 15,000 cubic yards of material. Project Element 1 will include dredging of an unstated volume of material, and Element 7 will include dredging of a total of 800 cubic yards of rock and sediment. What emissions will be produced by the dredging operation and the transportation of these materials to their disposal site? Given that sediments may contain hazardous substances such as copper, mercury, PCBs,

polycyclic aromatic hydrocarbons, and tributyltin (page 22 of IS), the dredged materials may not be suitable for ocean disposal. What is the plan for disposal of sediments that are deemed to be hazardous wastes? Will truck hauling be used to transport the material offsite?

Construction Materials
Finally, what are the projected emissions from volatile substances used in construction, such as fuels, solvents, paints, oils, and grease?

Level of Significance
The IS does not state what threshold of significance the Port plans to use for air quality. We recommend using a threshold of zero, not the County of San Diego's Guidelines for Determining Significance, which do not consider the location-specific conditions as CEQA requires.

CEQA Guidelines recognize that the level of impacts and the significance depends upon a multitude of factors such as *project setting*, design, construction, etc. CEQA Guidelines also call for careful judgment based on scientific and factual data to the extent possible and explain, "For example, an activity which may not be significant in an urban area may be significant in a rural area." (§ 15064(b)) Similarly, emissions of 100 lbs. per day of particulate matter upwind of Barrio Logan — an urban low-income community of color already determined by CalEPA to be among the highest in the state for cumulative pollution burden — could potentially be more significant than 100 lbs. per day of particulate matter in, for example, the middle of the desert with no nearby sensitive receptors.

The very least the Port should do and is required to do under CEQA is to not let current conditions become even worse. As any increase in emissions is significant in this community, the threshold of significance for this project for criteria air pollutants should be zero. A threshold of zero would take into account these location-specific conditions:

(a) the entire air basin already has a status of basic non-attainment for the federal (NAAQS) ozone standard and non-attainment for the state (CAAQS) standards for ozone, PM10 and PM2.5,[1]
(b) the project location is in an area with particularly high cumulative pollution burden as identified by California Environmental Protection Agency;[2]
(c) the project location is in an area with high levels of diesel; and
(d) health impacts in the community adjacent to the project could be exacerbated, resulting in additional significant impacts.

Recommended Mitigations

[1] IS-76, pdfp123
[2] http://www.oehha.ca.gov/ej/ces2.html

EHC recommends that mitigations for air quality impacts include:

- Require use of electrified equipment in place of diesel powered equipment for all phases of construction and operation of the project;
- All electric or hybrid electric tugboats in place of diesel powered tugs;
- Solar Power on rooftops onsite;
- Subsidize alternative transportation for workers;
- Require compliance with the Barrio Logan truck route;
- Vessel speed reduction for all ships coming to or leaving BAE

Biological Impacts

EHC agrees that potential impacts to eelgrass and marine species must be analyzed in the EIR.

The IS notes also that project elements 1,4, and 7 all include dredging, and that this may increase water turbidity, an impact to marine wildlife. The potential for dredging to make hazardous substances in sediments more available to the marine food chain should also be analyzed. This is particularly important given that the study of fishers conducted by the Regional Water Quality Control Board in 2017 confirmed the continued existence of subsistence fishers who frequently fish San Diego Bay and consume the fish they catch.[3] On July 31, 2018, CalEPA released a fishing advisory for eating fish from San Diego Bay, based on the levels of mercury and PCBs found in the fish.[4]

Greenhouse Gases

We agree that greenhouse gas emissions are potentially significant and should be analyzed in the EIR, as well as the potential impacts of climate change on the project itself. The Significance

[3] http://ftp.sccwrp.org/pub/download/DOCUMENTS/TechnicalReports/976_SanDiegoFishConsumptionStudy.pdf

[4] https://oehha.ca.gov/fish/advisory-press-release/updated-fish-advisory-san-diego-bay-offers-safe-eating-advice-fifteen.

Level used in the analysis should examine the project's consistency with California's goal to reduce greenhouse gas emissions 40% by 2030.
EHC recommends that mitigations for the project include the measures listed above for mitigation of air quality impacts. In addition, EHC recommends consideration of the following measures to further reduce the significance of GHG emissions.

- Require initial and continuing energy audits of project building facilities.

Hazardous Materials

The IS notes that hazardous materials are on the site and could be released under reasonably foreseeable conditions. Impacts to workers on and off the site should be analyzed, as well as impacts to residential receptors.
Regarding residential receptors, we note that the nearest potential sensitive receptor is approximately 785 feet away. This is the distance between the project site boundary bordering Belt Street and the Barrio Logan transition zone area between Harbor and Main Streets. At this point, the land use plan in effect is the 1978 version, which conditionally permits child care centers, hospitals, and other sensitive land uses in all areas of Barrio Logan, including the transition zone area where new sensitive receptors would have been disallowed under the 2013 community plan update. The analysis must assume that sensitive receptors may be located in the blocks between Harbor and Main, less than 1,000 feet from the BAE project.

Noise

EHC agrees that noise impacts are potentially significant. As noted above, the nearest potential residents are as close as 785 feet; this is the distance between the project site boundary bordering Belt Street and the Barrio Logan transition zone area between Harbor and Main Streets. In addition, workers on and off the BAE site are also much closer than 1,000 feet. Project noise includes round-the-clock dredging and highly impactful pile driving. Accordingly, we urge you to include a quantitative assessment of noise in the EIR for this project.
It is important to consider nighttime noise as well as daytime noise, and impacts to workers as well as to residents. Assessment of noise should consider cumulative noise impacts, including truck traffic noise on surface streets and train noise, as well as noise generated by operations at the shipyard. Residential noise standards should be used as the threshold of significance for noise impacts, not industrial or commercial levels, given that the impacted community is predominantly a residential neighborhood that includes schools, parks, and residences.

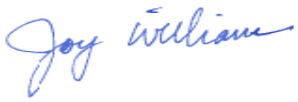
Transportation/Traffic

We agree that parking impacts are potentially significant for both construction and operation phases of the project, and should be analyzed in the EIR. Potential mitigations include the following.

- Increase use of alternative transit through subsidized transit passes, and increasing shuttles and vanpools.
- Local hire to reduce the need for BAE workers to commute to the job site.

Thank you for the opportunity to comment on this NOP and Initial Study. We look forward to review of the draft EIR.

Sincerely,



Joy Williams
Research Director

Appendix C

Air Quality and Greenhouse Gas Technical Memorandum

Memorandum

To:	Peter Eichar Senior Planner, Development Services San Diego Unified Port District
From:	ICF
Date:	June 25, 2020
Re:	**Air Quality and Greenhouse Gas Technical Memorandum for the BAE Systems Waterfront Improvement Project**

Introduction

The purpose of this memorandum is to provide a detailed air quality and greenhouse gas (GHG) methodology and results discussion for the BAE Systems Waterfront Improvement Project (proposed project). The project includes maintenance, repair, and replacement for waterfront infrastructure associated with mooring and operational facilities at BAE's San Diego Ship Repair Yard. The proposed project includes 15 distinct project elements, all of which are discussed in detail in Section 3.4 of the proposed project's Environmental Impact Report (EIR). Briefly, the proposed project includes the following:

- Replacement and realignment of the Pride of San Diego drydock access wharf and ramp, and several associated improvements.
- Replacement and realignment of the Pier 3 wharf structure and other associated improvements.
- Replacement of aged or inefficient facilities, including offices, the production building, the central tool room, and restrooms.
- Mooring infrastructure improvements to safely moor vessels and accommodate newer and different classes of vessels to be moored and repaired on site.
- Electrical and potable water utility upgrades.

While several of the proposed project elements are infrastructure maintenance and modernization improvements that would result in no operational changes, the dredging and mooring improvements at the Pride of San Diego drydock (Project Element 1) as well as improvements at Pier 3 (Project Elements 4 and 5) would allow BAE Systems to improve operational efficiency that

would allow for servicing of newer and different classes of vessels, which would represent a change from existing conditions.

This memorandum discusses methodologies and results for both the construction and operational elements of the proposed project. This memorandum focuses on methodologies and results and does not disclose California Environmental Quality Act (CEQA) impacts. CEQA impacts are discussed in the proposed project's EIR, Section 4.1, *Air Quality and Health Risk,* and Section 4.3, *Greenhouse Gas Emissions and Energy*.

Pollutants of Concern

The analysis focuses on the pollutants that are of greatest concern for the proposed project:

- **Criteria pollutants**: Criteria pollutants are pollutants for which the federal and state governments have set ambient air quality standards or that are chemical precursors to compounds for which ambient standards have been set. The criteria pollutants associated with the project are ozone (O_3) and the precursors thereof (reactive organic gasses [ROG] and nitrogen oxides [NO_X]), particulate matter (PM) (PM10 is PM smaller than or equal to 10 microns in diameter and PM2.5 is PM smaller than or equal than 2.5 microns in diameter), carbon monoxide (CO), and sulfur oxides (SO_X). Note that for purposes of this analysis, the terms ROGs and volatile organic compounds (VOCs) are used interchangeably.
- **Toxic Air Contaminants:** TACs are pollutants that have no ambient standard but pose the potential to increase the risk of developing cancer or acute or chronic health risks. The United States Environmental Protection Agency (EPA) has identified nine air toxic contaminants (TACs) associated with mobile sources as the considerable contributors to background air quality concerns. The primary TAC of concern associated with construction and operation of the proposed project is diesel particulate matter (DPM). For TACs that are known or suspected carcinogens, the California Air Resources Board (CARB) has consistently found that there are no levels or thresholds below which exposure is risk-free. Therefore, no federal or state air quality standards exist for TACs. Individual TACs vary greatly in the risks they present. At a given level of exposure, one TAC may pose a hazard that is many times greater than another. TACs are identified and their toxicity is studied by the California Office of Environmental Health Hazard Assessment (OEHHA). Adverse health effects of TACs can be carcinogenic (cancer-causing), short-term (acute) noncarcinogenic, and long-term (chronic) noncarcinogenic. Direct exposure to these pollutants has been shown to cause cancer, birth defects, damage to the brain and nervous system, and respiratory disorders.
- **Greenhouse Gases**: The California Environmental Quality Act (CEQA) Guidelines (Section 15364.5) identify the following six gases as GHGs: carbon dioxide (CO_2), methane (CH_4), nitrous oxides (N_2O), perfluorinated carbons, sulfur hexafluoride, and hydrofluorocarbons. Water vapor, the most abundant GHG, is not included in this list because its natural concentrations and fluctuations far outweigh its anthropogenic (human-made) sources. Note that perfluorinated carbons, sulfur hexafluoride, and hydrofluorocarbons are not discussed further herein because those gases are primarily generated by industrial and manufacturing processes, which are not anticipated as part of the proposed project. Consequently, the primary GHGs of concern associated with the project are CO_2, CH_4, and N_2O. Each GHG has a global warming potential (GWP) value, which reflects the climate forcing of a kilogram of emissions relative to the same mass of CO_2. GWPs are used to convert GHG emission values to "carbon dioxide equivalent"

(CO_2e). The GWP values used in this report are based on the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report (AR4).

Supplemental EIR Information

Supplemental Environmental Setting

Concentrations of pollutants from the San Diego–Beardsley Street station over a 4-year period (2013–2016) of complete data are presented in Table 1. The monitoring data shows the following pollutant concentration trends: the 8-hour O_3 CAAQS was exceeded twice in 2014; 24-hour PM10 CAAQS was exceeded once in 2013, 2015, and 2016; and 24-hour PM2.5 NAAQS was exceeded once in 2013, and 2014. No violations of the 1-hour O_3, CO, or NO_2 CAAQS or NAAQS were recorded.

Table 1. Ambient Background Concentrations from the San Diego–Beardsley Street Monitoring Station

Pollutant Standards	2013	2014	2015	2016
1-Hour Ozone (O_3)				
Maximum Concentration (ppm)	0.063	0.093	0.089	0.072
Number of Days Standard Exceeded				
CAAQS 1-hour (>0.09 ppm)	0	0	0	0
8-Hour Ozone (O_3)				
State Maximum Concentration (ppm)	0.053	0.073	0.067	0.061
National Maximum Concentration (ppm)	0.053	0.072	0.067	0.061
National 4th Highest Concentration (ppm)	0.052	0.068	0.061	0.058
Number of days standard exceeded				
CAAQS 8-hour (>0.070 ppm)	0	2	0	0
NAAQS 8-hour (> 0.075 ppm)	0	0	0	0
Carbon Monoxide (CO)				
Maximum Concentration 8-hour Period (ppm)	2.1	1.9	1.9	1.7
Maximum Concentration 1-hour Period (ppm)	3.0	2.7	2.6	2.2
Number of days standard exceeded				
NAAQS 8-hour (≥9 ppm)	0	0	0	0
CAAQS 8-hour (≥9.0 ppm)	0	0	0	0
NAAQS 1-hour (≥35 ppm)	0	0	0	0
CAAQS 1-hour (≥20 ppm)	0	0	0	0
Nitrogen Dioxide (NO_2)				
Maximum 1-hour Concentration	72.0	75.0	62.0	73.0
Annual Average Concentration	14	13	14	*
Number of Days Standard Exceeded				
CAAQS 1-Hour (0.18 ppm)	0	0	0	0
NAAQS 1-Hour (0.100 ppm)	0	0	0	0
Suspended Particulates (PM10)				

Pollutant Standards	2013	2014	2015	2016
State Maximum 24-hour Concentration	92.0	41.0	54.0	51.0
National Maximum 24-hour Concentration	90.0	40.0	53.0	49.0
State Annual Average Concentration (CAAQS = 20 μg/m^3)	25.4	23.8	23.2	*
Number of Days Standard Exceeded				
CAAQS 24-hour (>50 μg/m^3)	1	0	1	1
NAAQS 24-hour (>150 μg/m^3) – *Expected Days*	0	0	0	0
Suspended Particulates (PM2.5)				
National Maximum 24-hour Concentration (μg/m^3)	37.4	36.7	33.4	34.4
24-hour Standard 98th Percentile (μg/m^3)	19.6	24.8	19.6	*
National Annual Average Concentration (NAAQS = 12.0 μg/m$_3$)	10.3	10.1	9.3	*
State Annual Average Concentration (CAAQS = 12 μg/m^3)	10.4	10.2	10.2	*
Number of Days Standard Exceeded				
NAAQS 24-Hour (>35 μg/m^3)	1	1	0	0

Source: CARB 2018, EPA 2018b (CO concentrations only).
ppm = parts per million; μg/m^3 = micrograms per cubic meter
* = insufficient data to determine the value
Note: The San Diego-Beardsley Street station has been closed as of November 2016.

Supplemental Regulatory Setting

Air Quality

International

International Maritime Organization International Convention for the Prevention of Pollution from Ships Annex VI

The International Maritime Organization (IMO) International Convention for the Prevention of Pollution from Ships (MARPOL) Annex VI, which came into force in May 2005, set new international NO_X emission limits on marine engines over 130 kilowatts (kW) installed on new vessels retroactive to the year 2000. In October 2008, IMO adopted amendments to international requirements under MARPOL Annex VI, which introduced NO_X emission standards for new engines and more stringent fuel quality requirements (DieselNet 2013, IMO 2008). The Annex VI North American Emission Control Area (ECA) requirements applicable to the proposed project include the following.

- *Caps on the sulfur content of fuel as a measure to control sulfur oxide (SO_X) emissions and, indirectly, PM emissions*. For ECAs, the sulfur limits are capped at 1.0 percent starting in 2012 and 0.1 percent starting in 2015.[1] The analysis herein assumes full compliance with MARPOL Annex VI SO_X limits. The Port of San Diego is within an ECA.
- *NO_X engine emission rate limits for new engines*. Tier I and Tier II limits effective 2000 and 2011 are global limits, whereas Tier III limits, effective in 2016, apply only in NO_X ECAs.

[1] The sulfur requirements in ECAs are 1.0 percent as of July 2010 and 0.1 percent starting in January 2015. North America was designated as an ECA in August 2012, and the sulfur requirements became applicable at the time of designation.

Federal

EPA Emission Standards for Non-Road Diesel Engines

To reduce emissions from non-road diesel equipment, EPA established a series of increasingly strict emission standards for new non-road diesel engines. Tier 1 standards were phased in on newly manufactured equipment from 1996 through 2000 (year of manufacture), depending on the engine horsepower (hp) category. Tier 2 standards were phased in on newly manufactured equipment from 2001 through 2006. Tier 3 standards were phased in on newly manufactured equipment from 2006 through 2008. Tier 4 standards, which require advanced emission control technology, were phased in from 2008 through 2015.

EPA Non-Road Diesel Fuel Rule

With this rule, EPA set sulfur limitations for non-road diesel fuel, including large recreational vessels, locomotives, and harbor craft that frequent the Port of San Diego. For the proposed project, this rule affects the diesel-powered recreational and excursion vessels that visit the project site. Under this rule, the diesel fuel was limited to 500 ppm starting June 1, 2007, and further limited to 15 ppm sulfur content (ultra-low-sulfur diesel) starting January 1, 2010, for non-road fuel, and June 2012 for marine fuels (EPA 2004).

EPA On-Road Diesel Fuel Rule

In December 2000, EPA signed the Heavy-Duty Highway Rule, which reduces emissions from on-road, heavy-duty diesel trucks by establishing a series of increasingly strict emission standards for new engines. Manufacturers were required to produce new diesel vehicles that meet PM and NO_X emission standards beginning with model year 2007 with the phase-in period being between 2007 and 2010. The phase-in was based on a percent-of-sales basis: 50 percent from 2007 to 2009 and 100 percent in 2010 (EPA 2001).

EPA Emission Standards for Marine Diesel Compression Ignition Engines—Category 1 and 2 Engines

EPA has adopted emission standards for new Category 1 (0 to 7 liters per cylinder) and Category 2 (between 7 and 30 liters per cylinder, which includes most harbor craft) diesel engines rated over 50 hp (or 37 kW) used for propulsion in most harbor craft. The new Tier 3 engine standards began phase-in starting in 2009, and the more stringent Tier 4 engine standards were phased in beginning in 2014 and only for commercial marine diesel engines greater than 800 hp. The regulation also includes requirements for remanufacturing commercial marine diesel engines greater than 800 hp.

State

CARB California Diesel Fuel Regulation

With this rule, CARB set sulfur limitations for diesel fuel sold in California for use in on- and off-road motor vehicles (13 CCR 2281–2285; 17 CCR 93114). Under this rule, diesel fuel used in motor vehicles except harbor craft and intrastate locomotives has been limited to 500 ppm sulfur since 1993. The sulfur limit was reduced to 15 ppm on September 1, 2006. A federal diesel rule similarly limited sulfur content nationwide to 15 ppm by October 15, 2006.

CARB In-Use Off-Road Diesel Vehicle Regulation

The CARB In-Use Off-Road Diesel Vehicle Regulation was adopted in 2007 and addresses emissions of NO_X and PM from all self-propelled off-road diesel vehicles 25 hp or greater, and most two-engine vehicles operating in California. The regulation imposes limits on idling; requires all vehicles be labeled and reported to CARB; restricts adding older vehicles into fleets as of January 1, 2014; and requires fleets to reduce emissions through retiring, replacing, or repowering old engines, or by installing Verified Diesel Emission Control Strategies. These requirements vary by large, medium, and small fleet sizes.

CARB Emission Standards and Test Procedures for Large Spark Ignition Engine Forklifts and Other Industrial Equipment

Since 2007, CARB has promulgated more stringent emissions standards for hydrocarbon and NO_X combined emissions and test procedures. The engine emission standards and test procedures were implemented in two phases. The first phase was implemented for engines built between January 2007 and December 2009. The second, more stringent, phase was implemented for engines built starting in January 2010. The regulation was amended in 2010, establishing fleet average emissions requirements for existing engines.

CARB Regulation to Reduce Emissions from Diesel Engines on Commercial Harbor Craft

In November 2007, CARB adopted a regulation to reduce DPM and NO_X emissions from commercial harbor craft, which include, but are not limited to, ferries, excursion vessels, tugboats, towboats, crew and supply vessels, work boats, pilot vessels, and commercial and charter fishing boats. The regulation became effective in January 2009 and applies to both new and in-use commercial harbor craft diesel engines operating in Regulated California Waters. The regulation requires in part that a non-resettable hour meter be installed on each engine and that records are kept for each vessel; all new commercial harbor craft vessel meet the EPA marine engine emission standards in effect at the time acquired; and existing Tier 1 and earlier auxiliary and propulsion engines on in-use tugboats, towboats, and multipurpose harbor craft meet EPA Tier 2 and Tier 3 standards in effect at time of regulation compliance.

CARB Heavy Duty Diesel Vehicle Idling Emission Reduction Regulation

CARB adopted this airborne toxic control measure (ATCM) in 2005 to limit diesel-fueled commercial motor vehicle idling. This regulation states that diesel vehicles with a gross vehicle weight rating (GVWR) greater than 10,000 pounds cannot idle the vehicle's diesel-powered primary or auxiliary power system for greater than 5 minutes at any location (CCR Title 13, Section 1956.8 and 2485). This regulation applies to all trucks used that visit the Port.

CARB On-Road Heavy-Duty Diesel Vehicles (In-Use) Regulation – Truck and Bus Regulation

In December 2011, CARB amended the 2008 Statewide Truck and Bus Regulation to modernize in-use heavy-duty vehicles operating throughout the State. Under this regulation, existing heavy duty trucks are required to be replaced with trucks meeting the latest NO_X and PM Best Available Control Technology (BACT) or retrofitted to meet these levels.

Trucks with GVWR less than 26,000 (most construction trucks) are required to replace engines with 2010 or newer engines, or equivalent, by January 2023. Trucks with GVWR greater than 26,000 (most drayage trucks) must meet PM BACT and upgrade to a 2010 or newer model year emissions

equivalent engine pursuant to the compliance schedule set forth by the rule. By January 1, 2023, all model year 2007 class 8 drayage trucks are required to meet NO_X and PM BACT (i.e., EPA 2010 and newer standards).

Senate Bill 535 and Assembly Bill 1550

Senate Bill 535 requires the California Environmental Protection Agency (Cal/EPA) to identify disadvantaged communities based on geographic, socioeconomic, public health, and environmental hazard criteria. It also requires that the investment plan developed and submitted to the Legislature pursuant to AB 1550 allocate no less than 25 percent of available proceeds from the carbon auctions held under AB 32 to projects that will benefit these disadvantaged communities. At least 10 percent of the available funds from these auctions must be directly invested in such communities. Because the California Communities Environmental Health Screening Tool (CalEnviroScreen) has been developed to identify areas disproportionately affected by pollution and those areas whose populations are socioeconomically disadvantaged, it is well suited for the purposes described by Senate Bill 535 (Cal/EPA 2017).

California Communities Environmental Health Screening Tool (CalEnviroScreen)

CalEnviroScreen provides a relative ranking of communities based on a selected group of environmental, health, demographic, and socioeconomic indicators. The numerical score in CalEnviroScreen is based on the average pollution burden and population characteristics scores for each census tract. The resultant score is the relative pollution burden and vulnerabilities in one census tract compared to others; the score is not a measure of health risk. Each tract's score is then ranked relative to all areas in the state. Those areas with a high score and percentile have relatively high pollution burdens and population sensitivities; those areas with low score and percentile values have relatively lower pollution burdens and population sensitivities.

Note that while the results of CalEnviroScreen provide information on background pollution that allows the State to prioritize funding resources, the scoring results are not directly applicable to project-level or cumulative impact analyses required under CEQA (CalEPA 2017). As such, the information provided by CalEnviroScreen cannot substitute for analyzing a specific project's cumulative impacts as required under CEQA, and thus the information presented below is provided for illustrative purposes only.

Neighborhoods near the project site represent some of the highest rankings (e.g., worst combined pollution effects) in the state. The project site itself (census tract 6073005000) is within the worst 95 to 100 percentile impacts in the state. The Barrio Logan community both north/northwest (census tract 6073005100) and north of Interstate 5 (census tract 6073004900) and northeast (census tract 6073003902) is also within the worst 95 to 100 percentile in the state (OEHHA 2018).

Assembly Bill 617

AB 617 established the Community Air Protection Program (CAPP), which requires new community-focused and community-driven action to reduce air pollution and improve public health in communities that experience disproportionate burdens from exposure to air pollutants. Communities identified for monitoring include Portside Environmental Justice Neighborhoods of Barrio Logan as well as portions of National City, Sherman Heights, and Logan Heights. The SDAPCD will implement the CAPP in San Diego County, which will eventually lead to additional pollution monitoring and additional requirements through the following: accelerated installation of pollution

controls on industrial sources like oil refineries, cement plants, and glass manufacturers; expanded air quality monitoring within communities; increased penalties for violations of emissions control limits; and greater transparency and improved public access to air quality and emissions data through enhanced online web tools (SDAPCD 2018). The AB 617 Steering Committee includes local stakeholders, technical and scientific experts, and members of local industry. As of the time of this analysis, SDAPCD is currently monitoring and will work with the Steering Committee to develop next steps in the near future.

Greenhouse Gases

International

Paris Agreement

In 2015, the 21st session of the Conference of Parties (COP21) took place in Paris, France. The session included representatives from the 196 parties to the United Nations Framework Convention on Climate Change. The outcomes of the Paris Agreement from COP21 included, but were not limited to, limiting global temperature increases to well below 2 degrees Celsius (°C), establishing binding commitments regarding nationally determined contributions (NDCs) and pursuing domestic policies for achieving the NDCs, and regularly reporting emissions and the progress made in implementing and achieving the NDCs. In April 2016, 174 states and the European Union signed the agreement. In June 2017, President Trump announced his intention to withdraw from the Paris Agreement. Under the terms of the agreement, the United States cannot officially announce its resignation until November 4, 2019. Withdrawal would be effective 1 year after notification, in 2020.

Under 2 Coalition

The Under 2 Coalition is an international coalition of jurisdictions that signed the Global Climate Leadership Memorandum of Understanding (Under 2 MOU) following President Trump's decision to withdraw from the Paris Agreement. The Under 2 MOU aims to limit global warming to 2°C, limit GHGs to 80 to 95 percent below 1990 levels, and/or achieve a per capita annual emissions goal of less than 2 metric tons (MT) by 2050. The Under 2 MOU has been signed or endorsed by 135 jurisdictions (including California), representing 32 countries and six continents.

International Maritime Organization International Convention for the Prevention of Pollution from Ships, Annex VI

The International Maritime Organization International Convention for the Prevention of Pollution from Ships amended Annex VI in 2011 to include fuel economy and GHG requirements. The new Chapter 4 to Annex VI includes energy efficiency requirements for ships. Specifically, it makes mandatory the Energy Efficiency Design Index for new ships and the Ship Energy Efficiency Management Plan for all ships. The regulations apply to all ships (400 gross tonnage) and became effective January 1, 2013, with certain exceptions.

Federal

Energy Policy and Conservation Act of 1975 and Corporate Average Fuel Standards

The Energy Policy and Conservation Act of 1975 established the first fuel economy standards for on-road motor vehicles sold in the United States. The National Highway Traffic Safety Administration

(NHTSA) is responsible for establishing vehicle standards and revising existing standards. Its Corporate Average Fuel Economy program was created to determine vehicle manufacturers' compliance with the fuel economy standards. The EPA administers the testing program that generates the fuel economy data.

Energy Policy Act of 2005

The Energy Policy Act of 2005, implemented by the U.S. Department of Energy, established a comprehensive, long-term energy policy. The Energy Policy Act covered energy production in the United States, including energy from oil, gas, coal, and alternative resources, as well as energy efficiency and tax incentives. The energy efficiency and tax incentive programs included credits for the construction of new, energy-efficient homes and the production or purchase of energy-efficient appliances. In addition, loan guarantees were established for entities that developed or used innovative technologies to avoid the production of GHGs.

Energy Independence and Security Act of 2007

Signed into law in December 2007, the Energy Independence and Security Act was passed to increase the production of clean, renewable fuels; increase the efficiency of products, buildings, and vehicles; improve the energy performance of the federal government, increase U.S. energy security; develop the production of renewable fuels; and improve vehicle fuel economy. The act included the first increase in fuel economy standards for passenger cars since 1975 as well as a new energy grant program for use by local governments in implementing energy efficiency initiatives. Also included were green building incentives and programs.

Executive Order 13514, 2009

Executive Order (EO) 13514 sets sustainability goals for federal agencies. It focuses on making improvements in the environmental, energy, and economic performance of the agencies. EO 13514 required, as national policy, federal agencies to measure, report, and reduce their GHG emissions from direct and indirect activities.

State

Assembly Bill 2076—Reducing Dependence on Petroleum (2000)

The CEC and CARB are directed by Assembly Bill (AB) 2076 (passed in 2000) to develop and adopt recommendations for reducing dependence on petroleum. A performance-based goal is to reduce petroleum demand to 15 percent less than 2003 demand by 2020.

Assembly Bill 1493—Pavley Rules (2002, amendments 2009)/Advanced Clean Cars (2011)

Known as Pavley I, AB 1493 provided the nation's first GHG standards for automobiles. AB 1493 required CARB to adopt vehicle standards that lower GHG emissions from new light-duty autos to the maximum extent feasible beginning in 2009. Additional strengthening of the Pavley standards (referred to previously as *Pavley II* and now referred to as the *Advanced Clean Cars* [ACC] measure) was adopted for vehicle model years 2017–2025 in 2012. Together, the two standards are expected to increase average fuel economy to roughly 54.5 mpg by 2025.

Senate Bills 1078/107/X 1-2—Renewables Portfolio Standard and Renewable Energy Resources Act (2002, 2006, 2011)

Senate Bills (SBs) 1078 and 107, California's RPS, obligated investor-owned utilities, energy service providers, and Community Choice Aggregations to procure an additional 1 percent of retail sales per year from eligible renewable sources until reaching 20 percent (by 2010). The California Public Utilities Commission (CPUC) and CEC were jointly responsible for implementing the program. Furthermore, SB X 1-2, called the California Renewable Energy Resources Act, obligated all California electricity providers to obtain at least 33 percent of their energy from renewable resources by 2020. As of 2015, SDG&E's eligible renewable procurement was 35 percent. As noted below, SB 350 increased the RPS to 50 percent for 2030.

CARB Commercial Harbor Craft Regulation (2007)

The Commercial Harbor Craft Regulation was adopted in 2007 to reduce emissions from diesel engines operating within 24 miles of the California coast (i.e., regulated California waters). The rule, which was amended in 2010, will be fully implemented by 2022. It includes regulations for commercial harbor craft, including ferries, tugboats, towboats, excursion vessels, crew and supply vessels, pilot vessels, work boats, and commercial and charter fishing boats (CARB 2019).

Senate Bill 375—Sustainable Communities Strategy (2008)

SB 375 provides a new planning process that coordinates land use planning, regional transportation plans, and funding priorities in order to help California meet the GHG reduction goals established in AB 32. SB 375 requires regional transportation plans (RTPs) developed by metropolitan planning organizations to incorporate a "sustainable communities strategy" (SCS). The goal of the SCS is to reduce regional VMT through land use planning and the consequent transportation patterns. SB 375 also includes provisions pertaining to streamlined CEQA review for some infill projects, such as transit-oriented development.

The final reduction targets from CARB require the San Diego Association of Governments (SANDAG) to identify strategies for reducing per capita GHG emissions from passenger vehicles by approximately 7 percent by 2020 and 13 percent by 2035 compared with base year 2005. SANDAG's 2050 RTP and SCS, which detail the steps the region will take to reduce GHG emissions to state-mandated levels, were originally adopted by on October 28, 2011 (SANDAG 2015a). However, because of a legal challenge to the CEQA document for the 2050 RTP/SCS, the most recently revised RTP/SCS (i.e., *San Diego Forward: The Regional Plan*) was adopted by SANDAG on October 9, 2015 (SANDAG 2015b). The update to the regional plan is currently in preparation.

CARB released the *Final Staff Report for a Proposed Update to the SB 375 Greenhouse Gas Emission Reduction Targets* in October 2017. SANDAG's revised targets are a 15 percent per capita GHG reduction by 2020 and a 19 percent reduction by 2035. The revised targets took effect in October 2018 (CARB 2019).

California Energy Code

Title 24, Part 6, of the California Code of Regulations (24 CCR 6) describes California's energy efficiency standards for residential and nonresidential buildings. These standards were established in 1978 in response to a legislative mandate to reduce California's energy consumption and have been updated periodically to include new energy efficiency technologies and methods. The California Energy Code requires compliance with energy efficiency standards for all new

construction, including new buildings, additions, alterations, and, in nonresidential buildings, repairs.

Cap and Trade (2011 and 2017)

CARB adopted a cap-and-trade program in October 2011. The California cap-and-trade program is a market-based system with an overall emissions limit for affected emissions sources, which include in-state electricity generators, hydrogen production facilities, petroleum refineries, and other large-scale manufacturers and fuel suppliers/distributors. The original cap-and-trade program set a compliance schedule through 2020. AB 398 extends the program through 2030 and requires CARB to make refinements, including a price ceiling. Revenues generated from the cap-and-trade program are used to fund various programs. AB 398 established post-2020 funding priorities to include (1) air toxics and criteria pollutants, (2) low- and zero-carbon transportation, (3) sustainable agricultural practices, (4) healthy forests and urban greening, (5) short-lived climate pollutants, (6) climate adaptation and resiliency, and (7) climate and clean energy research.

Executive Order B-16-12 (2012)

EO B-16-12 orders state entities under the direction of the governor, including CARB, CEC, and CPUC, to support rapid commercialization of zero-emissions vehicles. It directs these entities to achieve various benchmarks related to zero-emissions vehicles.

Tractor-Trailer Greenhouse Gas Regulation (2013)

CARB approved the Tractor-Trailer Greenhouse Gas Regulation to reduce GHG emissions by requiring the use of aerodynamic tractors and trailers as well as tires that have low rolling resistance. The regulation, which applies to certain Class 8 tractors manufactured for use in California, is harmonized with the parallel EPA and NHTSA standards for heavy-duty trucks. This regulation was expected to reduce fuel consumption and GHG emissions from new heavy-duty trucks by 4 to 5 percent per year between 2014 and 2018 (EPA 2015).

California Energy Plan

The CEC is responsible for preparing the State Energy Plan (Plan), which identifies emerging trends related to energy supply, demand, conservation, public health and safety, and maintenance of a healthy economy. The Plan calls for the state to assist in transforming the transportation system to improve air quality, reduce congestion, and ensure efficient use of fuel supplies—with the fewest environmental and energy costs. The Plan identifies a number of strategies, including providing assistance to public agencies and fleet operators.

Supplemental Thresholds

Air Quality

The air quality mass emissions thresholds are shown in **Table 2**.

Table 2. Criteria Pollutant Thresholds

	Emission Rate		
Air Contaminant	(pounds per hour)	(pounds per day)[1]	(tons per year)
Respirable Particulate Matter (PM10)	--	100	15
Fine Particulate Matter (PM2.5)[2]	--	55	10
Nitrogen Oxides (NO_X)	25	250	40
Lead (Pb)[3]	--	3.2	0.6
Volatile Organic Compounds (VOC)[4]	--	75	13.7[5]
Sulfur Oxides (SO_X)	25	250	40
Carbon Monoxide (CO)	100	550	100

Source: SDAPCD Regulation II, Rule 20.2; County of San Diego 2007.

[1] According to San Diego County, the daily thresholds are most appropriate when assessing impacts from standard construction and operational emissions. Therefore, daily thresholds are used to evaluate project significance, while hourly and annual thresholds are provided for informational purposes only.

[2] Based on EPA's "Proposed Rule to Implement the Fine Particle National Ambient Air Quality Standards" published September 8, 2005, and also SCAQMD's Air Quality Significance Thresholds (SCAQMD 2015). Rule 20.2 was amended in 2018 to include PM2.5 AQIA of 67 pounds per day. However, as the 55 pounds per day rate used by SCAQMD and recommended by the County of San Diego is lower (and more restrictive), 55 pounds per day is used here.

[3] Lead and lead compounds. Lead emissions are typically associated with industrial large stationary sources, such as ore and metals processing, lead smelters, waste incinerators, and lead-acid battery manufacturing or recycling, which are not included as part of the project.

[4] County SLTs for VOC were originally based on the threshold of significance for VOC from SCAQMD for the Coachella Valley. The terms VOC and ROG are used interchangeably, although VOC is used in this table because the City and County use the term VOC.

[5] 13.7 tons per year threshold is based on 75 pounds per day multiplied by 365 days per year and divided by 2,000 pounds per ton.

Supplemental Evidence

The following section summarizes the thresholds recommended by the County of San Diego based on criteria established by the SDAPCD, presents substantial evidence regarding the basis upon which they were developed, and also describes how they are used to determine whether Proposed Project construction and operation emissions would result in a significant impact within the context of interfering with or impeding attainment of CAAQS and NAAQS or causing or contributing to increased risks to human health.

Regional Thresholds for SDAB Attainment of State and Federal Ambient Air Quality Standards

In general, air districts and lead agencies develop or adopt region-specific CEQA thresholds of significance in consideration of existing air quality concentrations and attainment or nonattainment designations under the NAAQS and CAAQS. The State CEQA Guidelines authorize lead agencies to use the significance criteria established by the applicable air quality management or air pollution

control district to make the significance determination of whether a project would violate or impede attainment of air quality standards. Attainment status for each pollutant is assigned for the entire air basin. In San Diego, the SDAB is defined as "all of San Diego County" (see 17 CCR 60110). Therefore, the current attainment status for the entire San Diego region, which includes nonattainment status for ozone NAAQS and ozone CAAQS, PM10 CAAQS, and PM2.5 CAAQS, applies to the entire County.

Neither the District nor the City of San Diego have developed CEQA thresholds of significance for air quality and health risk.[2] Although SDAPCD has not developed specific thresholds of significance to evaluate construction and operational impacts within CEQA documents, SDAPCD's Regulation II, Rules 20.2 and 20.3 (new source review for non-major and major stationary sources, respectively), outline AQIA Trigger Levels for criteria pollutants for new or modified sources. Based on SDAPCD's AQIA Trigger Levels, as well as EPA rulemaking and CEQA thresholds adopted by South Coast Air Quality Management District (SCAQMD), the County of San Diego has established screening-level thresholds (SLTs) to assist lead agencies in determining the significance of project-level air quality impacts within the County.

SDAPCD amended Rule 20.2 in December 2018 to include a PM2.5 AQIA of 67 pounds per day. The County recommends a PM2.5 SLT of 55 pounds per day based on EPA's "Proposed Rule to Implement the Fine Particle National Ambient Air Quality Standards" published on September 8, 2005, which is also consistent with SCAQMD's Air Quality Significance Thresholds (SCAQMD 2015). The County's threshold is lower and more restrictive and is consistent with other CEQA analyses at the District. The County also recommends a VOC SLT based on the threshold of significance for VOCs from the SCAQMD for the Coachella Valley. Emissions in excess of air quality thresholds, shown in **Table 2**, would be expected to have a significant impact on air quality because an exceedance of thresholds is anticipated to contribute to CAAQS and NAAQS violations in the County. Note that SDAPCD Rule 20.2 was most recently updated in December 2018, and now includes AQIA Trigger Levels for PM10, PM2.5, NO_X, SO_X, CO, and lead, but does not include AQIA Trigger Levels for VOC emissions. Note that the PM2.5 Trigger Level in Rule 20.2 is higher for daily emissions (67 pounds per day) than the County SLT (55 pounds per day). Because the County's threshold is lower (more restrictive), and to maintain consistency with the TAMT Final PEIR, the County's PM2.5 SLT is used herein.

The air quality thresholds shown in **Table 2** are based on SDAPCD AQIA Trigger Levels, and these are based on emissions levels identified under the New Source Review (NSR) program, which is a permitting program established by Congress as part of the CAA Amendments of 1990 to ensure that air quality is not significantly degraded by new or modified sources of emissions. The NSR program requires that stationary sources receive permits before construction begins and/or the use of equipment. By permitting large stationary sources, the NSR program ensures that new emissions would not slow regional progress toward attaining the NAAQS. SDAPCD implements the NSR program through Rules 20.2 and 20.3, and has concluded that the stationary pollutants described under the NSR program are equally significant as those pollutants generated with land use projects. SDAPCD's Trigger Levels were set as the total emission thresholds associated with the NSR program to help attain and maintain the NAAQS from new and modified non-major stationary sources.[3]

[2] The District is currently in the process of drafting CEQA thresholds of significance for all resources, including air quality. Until these thresholds are adopted, the District may continue to rely on established regional thresholds, which are based on substantial evidence summarized herein.

[3] San Diego Air Pollution Control District, Rule 20.2, Table 20.2-1, hereby incorporated by reference: https://www.sandiegocounty.gov/content/dam/sdc/apcd/PDF/Rules_and_Regulations/Permits/APCD_R20-2.pdf

SDAPCD's Trigger Levels take into account the region's attainment status, emission profile, inventory, and projections, and represent levels above which project-generated emissions could affect SDAPCD's and SANDAG's commitment to attain the state and federal standards in the region. Consistent with Section 15064.7(c) of the State CEQA Guidelines,[4] the evidence in support of the air quality thresholds shown in **Table 2** are deemed appropriate for their use in this analysis and in this location within the greater SDAB.

Health-Based Thresholds for Project-Generated Pollutants of Human Health Concern

As mentioned previously, in December 2018, the California Supreme Court issued its Friant Ranch Decision. The case reviewed the long-term, regional air quality analysis contained in the EIR for the proposed Friant Ranch development. The Friant Ranch project is a 942-acre master-plan development in unincorporated Fresno County within the San Joaquin Valley Air Basin, an air basin currently in nonattainment for the ozone and PM2.5 NAAQS and CAAQS. The Court found that the air quality analysis was inadequate because it failed to provide enough detail "for the public to translate the bare [criteria pollutant emissions] numbers provided into adverse health impacts or to understand why such a translation is not possible at this time." The Court's decision clarifies that environmental documents must connect a project's air quality impacts to specific health effects or explain why it is not technically feasible to perform such an analysis.

As discussed above under *Pollutants of Concern*, all criteria pollutants that would be generated by the proposed project are associated with some form of health risk (e.g., asthma). Criteria pollutants can be classified as either regional or localized pollutants. Regional pollutants can be transported over long distances and affect ambient air quality far from the emissions source. Localized pollutants affect ambient air quality near the emissions source. Ozone and NO_2 are considered regional criteria pollutants, whereas CO, SO_2, and Pb are localized pollutants. PM can be both a local and a regional pollutant, depending on its composition. As discussed above, the primary criteria pollutants of concern in the study area are ozone (including ROG and NO_X) and PM (including DPM).

Regional Project-Generated Criteria Pollutants (Ozone Precursors and Regional PM)

Adverse health effects induced by regional criteria pollutant emissions generated by the project (ozone precursors and PM) are highly dependent on a multitude of interconnected variables (e.g., cumulative concentrations, local meteorology and atmospheric conditions, the number and character of exposed individuals [e.g., age, gender]). For these reasons, ozone precursors (ROG and NO_X) contribute to the formation of ground-borne ozone on a regional scale, where emissions of ROG and NO_X generated in one area may not equate to a specific ozone concentration in that same area. Similarly, some types of particulate pollutant may be transported over long-distances or formed through atmospheric reactions. As such, the magnitude and locations of specific health effects from exposure to increased ozone or regional PM concentrations are the product of emissions generated by numerous sources throughout a region, as opposed to a single individual project.

Models and tools have been developed to correlate regional criteria pollutant emissions to potential community health impacts. There are models capable of quantifying ozone and secondary PM formation and associated health effects, and these tools were developed to support regional

[4] "When adopting (or using) thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence."

planning and policy analysis and have limited sensitivity to small changes in criteria pollutant concentrations induced by individual projects. Therefore, translating project-generated criteria pollutants to the locations where specific health effects could occur or estimating the resultant number of additional days of nonattainment cannot be performed with a high degree of accuracy for relatively small projects (relative to the regional air basin).

Technical limitations of existing models to correlate project-level regional emissions to specific health consequences are recognized by air quality management districts throughout the state, including the SJVAPCD and SCAQMD, who provided amici curiae briefs for the Friant Ranch legal proceedings. In its brief, SJVAPCD (2015) acknowledges that while health risk assessments for localized air toxics, such as DPM, are commonly prepared, "it is not feasible to conduct a similar analysis for criteria air pollutants because currently available computer modeling tools are not equipped for this task." The air district further notes that "emissions solely from the Friant Ranch project (which equate to less than one-tenth of one percent of the total NO_X and VOC in the Valley) is not likely to yield valid information," and that any such information should not be "accurate when applied at the local level." SCAQMD (2015) presents similar information in their brief, stating that "it takes a large amount of additional precursor emissions to cause a modeled increase in ambient ozone levels."[5]

As discussed above, air districts develop region-specific CEQA thresholds of significance in consideration of existing air quality concentrations and attainment or nonattainment designations under the NAAQS and CAAQS. The NAAQS and CAAQS are informed by a wide range of scientific evidence that demonstrates there are known safe concentrations of criteria pollutants. While recognizing that air quality is cumulative problem, air districts typically consider projects that generate criteria pollutant and ozone precursor emissions below these thresholds to be minor in nature and would not adversely affect air quality such that the NAAQS or CAAQS would be exceeded. Emissions generated by the project could increase photochemical reactions and the formation of tropospheric ozone and secondary PM, which at certain concentrations could lead to increased incidence of specific health consequences. Although these health effects are associated with ozone and particulate pollution, the effects are a result of cumulative and regional emissions. As such, a project's incremental contribution cannot be traced to specific health outcomes on a regional scale, and a quantitative correlation of project-generated regional criteria pollutant emissions to specific human health impacts is not included in this analysis. It is foreseeable that unmitigated construction- and operational-generated emissions of ozone precursors and PM in excess of SDAPCD thresholds could contribute to cumulative and regional health impacts. In such cases, all feasible mitigation is applied, and emissions are reduced to the extent possible.

Greenhouse Gases

The State CEQA Guidelines do not indicate what level of GHG emissions would constitute a significant impact on the environment. Instead, they authorize the lead agency to consider thresholds of significance that were previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to adopt such thresholds was

[5] For example, SCAQMD's analysis of their 2012 Air Quality Attainment Plan showed that modeled NO_X and ROG reductions of 432 and 187 tons per day, respectively, only reduced ozone levels by 9 ppb. Analysis of SCAQMD's Rule 1315 showed that emissions of NO_X and ROG of 6,620 and 89,180 pounds per day, respectively, contributed to 20 premature deaths per year and 89,947 school absence (South Coast Air Quality Management District 2015).

supported by substantial evidence (State CEQA Guidelines Sections 15064.4[a] and 15064.7[c]). A summary of the CEQA guidance regarding the analysis of GHG emissions is provided below.

A detailed summary of CEQA requirements, as well as the applicability of all available thresholds, is provided below.

Summary of CEQA Requirements

The State CEQA Guidelines provide general guidance for the impact evaluation pertaining to GHG emissions. In addition to Appendix G, which is summarized above, the sections of the State CEQA Guidelines outlined below are relevant to understanding GHG analysis procedures.

CEQA Guidelines Section 15064.4(a)

This section indicates that CEQA requires a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate, or estimate the amount of GHG emissions resulting from a project, compare estimated emissions to a threshold the lead agency deems appropriate (with evidence to support this threshold), and assess the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. This guideline gives the lead agency discretion as to whether to quantify GHG emissions resulting from a project and/or rely on a qualitative analysis or performance-based standards. This section does not indicate what amount of GHG emissions would constitute a significant impact on the environment. Instead, CEQA authorizes the lead agency to consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to select such thresholds was supported by substantial evidence.

CEQA Guidelines Section 15064.4(b)

Section 15064.4(b) requires a lead agency to consider the following factors:

- The extent to which the project may increase or reduce GHG emissions compared with the existing environmental setting,
- Whether the project's GHG emissions would exceed a threshold of significance that the lead agency determines to be applicable to the project, and
- The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. The lead agency must include substantial evidence linking statewide goals, strategies, and plans to the project's findings and significance of impacts (added in response to *Center for Biological Diversity et al. vs. California Department of Fish and Wildlife, the Newhall Land and Farming Company* [see below]).

CEQA Guidelines Section 15064.4(c)

This section states that a lead agency may choose the model or methodology for estimating GHG emissions that it considers most appropriate. The lead agency must support its selection of a model or methodology with substantial evidence and explain the limitations of the model or methodology.

CEQA Guidelines Section 15183.5

Section 15183.5 outlines the measures that lead agencies can take to analyze and mitigate the significant effects of GHG emissions at a programmatic level, such as in a general plan; in a long-range development plan; or in a separate plan (such as a CAP) to reduce GHG emissions so that later project-specific environmental documents may tier from the prior analysis to determine significance. For a plan to be "qualified" for tiering, it should:

1. Quantify GHG emissions over a specific time period resulting from activities within a defined geographic area;
2. Establish a level below which the contribution to GHG emissions from activities covered by the plan would not be cumulatively considerable;
3. Identify and analyze GHG emissions resulting from specific actions or categories of actions within the defined geographic area;
4. Specify measures or a group of measures, including performance standards, that, if implemented on a project-by-project basis, would collectively achieve the specified emissions level;
5. Establish a mechanism for monitoring the plan's progress; and
6. Be adopted in a public process following environmental review.

Summary of Recent Court Decisions

The courts have ruled on various matters related to GHG analyses in CEQA documents, which has helped define acceptable practices for adequate analysis of GHG emissions under CEQA, including setting thresholds, properly defining a level of significance, and identifying mitigation measures. The courts' decisions demonstrate that there are multiple ways to evaluate GHG emissions impacts in CEQA documents, depending on the circumstances of a given project. CEQA gives the lead agency the discretion to quantify GHG emissions resulting from a project and/or rely on a qualitative analysis or performance-based standards, but the lead agency must support its decisions with substantial evidence and explain any limitations associated with the analysis. In addition, a lead agency's analysis should consider a timeframe that is appropriate for the project and reasonably reflect evolving scientific knowledge and current state regulatory schemes.

In the 2015 *Center for Biological Diversity et al. vs. California Department of Fish and Wildlife, the Newhall Land and Farming Company* case (November 30, 2015, Case No. S217763) (hereafter Newhall Ranch), the California Supreme Court identified several potential approaches for determining the significance of project-level GHG emissions. The court's decision affirmed that "thresholds only define the level at which an environmental effect 'normally' is considered significant; they do not relieve the lead agency of its duty to determine the significance of an impact independently." In the 2018 *Golden Door Properties/Sierra Club vs. County of San Diego* case (September 28, 2018, 27 Cal.App.5th 892) (hereafter Golden Door), the Court of Appeals reinforced the message from the Newhall Ranch decision (i.e., analyses need to provide substantial evidence to support significance thresholds selected for use in the CEQA analysis). Both the Newhall Ranch and Golden Door cases demonstrate that use of statewide emissions reduction goals is one of various potential thresholds and methodologies for evaluating project- or plan-level GHG emissions consistent with CEQA. Use of statewide emissions reduction goals is a "permissible criterion of significance" as long as substantial evidence and reasoned explanation is provided to close the analytical gap between the level of effort required at one scale (state level) to the level of effort

required at another scale (e.g., proposed plan level). Other recent cases have reinforced the discretion of lead agencies to select thresholds, provided they stay in line with the state of the science.

The following are some of the court's suggested approaches for analyzing GHG impacts under CEQA:

- **Consistency with a Qualified GHG Emissions Reduction Plan.** Use of a GHG emissions reduction plan is consistent with State CEQA Guidelines Sections 15183.5 and 15064.4 for a geographic area.
- **Performance-Based Thresholds.** Performance-based thresholds relate the required level of reduction at the project level to the statewide burden required to meet California's GHG goals.
- **Quantitative Thresholds.** Use of a quantitative threshold (such as the Bay Area Air Quality Management District's bright-line threshold) identifies the level above which a project may contribute a significant amount of GHG emissions.[6]
- **CEQA Streamlining.** Certain land use projects (e.g., residential, mixed-use, transit priority projects) could use SB 375's expressed allowance for tiering GHG emissions generated by light-duty vehicles from the environmental analysis conducted for the regional RTP/SCS.
- **Compliance with Regulatory Programs**. This approach includes an assessment of the project's compliance with regulatory programs designed to reduce GHGs from emissions-generating activities (e.g., energy consumption, transportation, water usage). To the extent that a project's design features comply with or exceed the regulations outlined in the scoping plan and adopted by CARB or other state agencies, the lead agency could appropriately rely on their use to show that the project is reducing emissions consistent with state reduction targets and, thus, that emissions are less than significant.

Under any methodology, if GHG emission impacts are still significant after adoption of all feasible mitigation measures and consideration of project alternatives, the lead agency may adopt a statement of overriding considerations with the appropriate findings.

Applicability of Available Thresholds

The sections below discuss the threshold approaches recommended by the courts and supported by CEQA and analyze their applicability to the proposed project.

Compliance with a Qualified GHG Reduction Plan

The Office of Planning and Research (OPR) acknowledges that the state legislature encourages lead agencies to tier or streamline their environmental documents whenever feasible and that GHG emissions may be best analyzed and mitigated at the programmatic level (OPR 2018). A qualified plan may be used in the cumulative impact analysis for later projects when the analysis "identifies those requirements specified in the plan that apply to the project." For a GHG reduction plan to be considered a qualified plan, it must meet certain criteria established under State CEQA Guidelines Sections 15183.5 (b) and 15064.4, also specified above. Consequently, if a project is consistent with a local CAP that was created to meet that area's fair share reductions toward the AB 32 GHG target

[6] Note that while Newhall Ranch did not explicitly discuss efficiency-based thresholds, they are a form of quantitative threshold and therefore are included in the *Applicability of Available Thresholds* discussion that follows.

for 2020, then the project would be considered consistent with statewide GHG reduction goals for 2020. In addition, if a CAP was adopted that was consistent with the state's overall goals for post-2020, including the downward trajectory, as clarified in SB 32 and EO S-03-05, and a project was consistent with that CAP, the project would be considered consistent with the state's post-2020 GHG emissions strategy. Section 15183.5 also specifies that the project's CEQA analysis "must identify those requirements specified in the plan that apply to the project, and, if those requirements are not otherwise binding and enforceable, incorporate those requirements as mitigation measures applicable to the project."

The District adopted a CAP in December 2013. The CAP provides projected emissions for 2020, 2035, and 2050 and establishes GHG emissions reduction goals and measures to support the statewide AB 32 goal (i.e., meeting 1990 GHG levels by 2020). Because the District's CAP is certified only through December 31, 2020, it would be eligible only for the first year of construction and not appropriate for evaluating emissions during construction from 2021 to 2024 or emissions at full buildout, which would occur in 2025.

Performance-Based Threshold

Performance-based thresholds are based on a percentage reduction from a projected future condition. For example, reducing future business-as-usual (BAU) emissions by the AB 32 target of 29 percent (i.e., below 2020 BAU levels) through a combination of state measures, project design features (e.g., renewable energy), or mitigation is a performance-based threshold. The performance-based approach considers the project's reduction in emissions from an unmitigated condition. Other lead agencies have adopted performance-based targets that are tied to the AB 32 target of achieving 1990 levels by 2020, but the prescribed percentage reduction can vary, depending on the version of the scoping plan and the targets therein that were used. For example, the San Joaquin Valley Air Pollution Control District recommends a 29 percent reduction, which is based on the 2008 scoping plan, while the Sacramento Metro Air Quality Management District previously recommended a 21.7 percent reduction from a projected no-action-taken (NAT) scenario,[7] which was based on the 2011 re-adopted scoping plan, the emissions targets of which vary slightly from 2008 to account for revised estimates for future fuel and energy demands.

With the Newhall Ranch decision, connecting a given project to the achievement of state reduction targets requires adjustments to CARB's statewide BAU model, not only to isolate new development emissions but also to consider unique geographic conditions and operational characteristics that require use of the BAU performance-based methodology for a specific project. To date, this type of adjustment to the statewide BAU target has not been formulated and, therefore, is not appropriate for the project's analysis. The primary value of a performance-based target, as indicated in Newhall Ranch, is that it can provide a scenario by which to evaluate a project's efficiency and the conservation measures for reducing GHG emissions. As such, future-year targets can be used to benchmark performance, using either statewide or regional emission targets, to determine a project's fair share of mitigation.

[7] The NAT scenario does not include state regulations to reduce GHG emissions, including improvements to the Title 24 standards, RPS, low-carbon fuel standard, or Pavley rules.

Quantitative Thresholds

Numerical Bright-Line Thresholds

Numerical bright-line thresholds identify the point at which additional analysis and mitigation of project-related GHG emission impacts is necessary. Currently, bright-line thresholds have been developed for commercial projects, residential projects, and stationary-source projects. Commercial and residential bright-line thresholds are typically based on a market capture rate or a gap analysis,[8] which is tied to statewide reduction targets. These bright-line thresholds reflect local or regional land use conditions, particularly residential and commercial density and access to transit. For example, the Bay Area Air Quality Management District's bright-line threshold of 1,100 $MTCO_2e$ captures land use conditions present in the Bay Area at the time of analysis. It does not reflect conditions in other areas of the state that may display varying land use patterns and densities. A stationary-source bright-line threshold of 10,000 $MTCO_2e$ has been adopted by multiple air districts and other agencies for the permitting process. The South Coast Air Quality Management District currently recommends use of the same threshold for permitted source projects when the South Coast Air Quality Management District is the lead agency.

A numerical bright-line value, based solely on Port of San Diego emissions sources, does not exist. Both the City and County of San Diego have, in the past, recommended an interim 900 $MTCO_2e$ screening level for a theoretical approach to identifying projects that require further analysis and potential mitigation, based on the California Air Pollution Control Officers Association's (CAPCOA) recommendation in its 2008 *CEQA and Climate Change* white paper. This target is based on statewide attainment of the state's 2020 reduction target, as established under AB 32, and represents the lowest numerical criteria drafted, recommended, or adopted in the state. This 900 $MTCO_2e$ level serves as a conservative screening criterion for determining which projects require further analysis and identification of project design features or potential mitigation measures with regard to GHG emissions (CAPCOA 2008). Although the 900 $MTCO_2e$ screening criterion is not intended to be used for determining the consistency of a project's emissions with post-2020 reduction targets, including SB 32, it can still provide a valuable quantitative screening level to determine whether a project's potential to generate cumulatively considerable GHG emissions would be highly unlikely.

Efficiency-Based Thresholds

Efficiency-based thresholds represent the GHG efficiency needed for development to achieve California's GHG emissions target, as established under AB 32. Although Newhall Ranch did not specifically recommend the efficiency-based approach, the ruling did note that numerical threshold approaches may be appropriate for determining the significance of GHG emissions and emphasized consideration of GHG efficiency. Efficiency-based thresholds are typically calculated by dividing emissions associated with residential and commercial uses (also termed the land use sector in the scoping plan) within the state (or a certain geographic area) by the sum of jobs and residents within the same geography. The sum of jobs and residents is called the service population, defined as the people who work and live within the project site. Because typical efficiency-based thresholds are based on the land use sector (residential and commercial uses) and account for only land use–related emissions and residential population and employment, they may be misleading for industrial

[8] The gap analysis demonstrates the reductions needed at the residential and commercial land use levels to achieve state targets. Capture is the process of estimating the portion of a project that would result in emissions that would exceed a significance threshold and be subject to mitigation.

uses, stationary-source projects,[9] or marine terminal projects[10] because these types of uses are specifically excluded from the land use sectors and typically do not directly propose housing or result in population growth. Moreover, the *Beyond Newhall and 2020* white paper presents the idea that an efficiency threshold could be developed for a specific industrial sector if one were to benchmark GHG emissions with a meaningful industrial output unit, such as twenty-foot-equivalent units (TEUs) for port and goods movement projects. However, no industrial- or port-specific threshold has been adopted or proposed to date. Therefore, the efficiency-based methodology was not used in the analysis of the proposed project.

Compliance with Regulatory Programs

It is also possible to determine a project's GHG emissions impacts by evaluating whether it is in compliance with regulatory programs designed to reduce GHG emissions from particular activities. If a project complies with or exceeds programs adopted by CARB or other state agencies, a lead agency can rely on this compliance to demonstrate less-than-significant impacts. However, such analysis is applicable only within the area governed by the regulations. For example, consistency with regulations pertaining to building efficiency would not suffice in determining whether a project would have significant GHG emissions from transportation.

The proposed project's compliance with regulatory programs adopted by CARB or other state agencies is used, in part, for its GHG emissions analysis.

Newhall Ranch specifically mentions consistency with both SCS (per SB 375) and AB 32, which are discussed below. Also, recent case law mentions the need to stay in step with evolving scientific knowledge and state regulatory schemes and demonstrate consistency with the long-term targets and goals in SB 32 (2030), EO B-55-18 (2045), and EO S-03-05 (2050), which are discussed below.

- **Compliance/Consistency with AB 32 (2020).** A lead agency could assess project-level consistency with AB 32 in whole or part by looking to compliance with regulatory programs designed to implement AB 32. To the extent a project's design features comply with or exceed the regulations outlined in the scoping plan and adopted by CARB or other state agencies, a lead agency could appropriately rely on their use in showing compliance with performance-based standards adopted to fulfill the statewide goal for reducing GHG emissions. Even though the time horizon for implementing AB 32 may soon pass (AB 32 goals must be met by December 31, 2020), the regulations and measures adopted pursuant to the AB 32 target will remain in effect and facilitate emissions reductions beyond the AB 32 horizon.
- **Consistency with SB 32 (2030), EO B-55-18 (2045), and EO S-03-05 (2050) Targets and Planning.** A lead agency could assess project-level consistency with the targets in the EOs as well as current planning for the post-2020 period or substantial progress toward these goals over time. The state has developed a scoping plan to meet the 2030 reduction target in SB 32; however, at this time, the 2045 and 2050 targets have not been codified into law, and the state does not have a plan to meet these targets. Regardless, the post-2030 reduction goals represent evolving scientific knowledge, and because CARB has been tasked with incorporating carbon

[9] Bay Area Air Quality Management District. 2009. *Threshold Options and Justification Report*. October. Available: http://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines.

[10] An example of appropriate use of an efficiency-based threshold at the Port would be a large visitor-serving commercial project (i.e., has a jobs-based component consistent with the efficiency-based threshold) that accommodates population and employment growth in a way that is consistent with the emissions limit established under AB 32.

neutrality into future updates to the scoping plan, consistency with these goals is nevertheless a potential approach.

CEQA Streamlining

The Newhall Ranch ruling affirmed that CEQA expressly allows streamlining under SB 375 of certain residential, commercial, and mixed-use projects that that are consistent with the limits and policies specified in an applicable SCS. The ruling pointed out that a qualifying project need not additionally analyze GHG emissions from cars and light trucks. In San Diego, the SCS is contained within SANDAG's adopted 2050 RTP/SCS (SANDAG 2015). Projects eligible for this streamlining can "tier" off the RTP/SCS EIR for CEQA purposes. Only residential and mixed-use (commercial/residential) projects that fit the definition of a transit priority project or residential/mixed-use residential project (as defined in SB 375) are eligible for streamlined review. Because the proposed project is not a residential or mixed-use project, it would not be eligible for streamlined review because it does not meet the qualifying criteria defined in SB 375.

Emissions Estimation Methodology

Air quality and GHG impacts associated with construction and operation of the proposed project were assessed and quantified using industry standard and accepted software tools, techniques, and emission factors. The project schedule, as provided by the project applicant, assumes construction would last approximately 5 years. Table A1 of Attachment 1 details the duration of each project element activity as well as the type and number of pieces of equipment associated with each activity. Table A2 of Attachment 1 details waterside activity by project element.

A description of the specific methods used to estimate air quality and GHG emissions from the proposed project is provided in Section 4.1, *Air Quality and Health Risk*, and Section 4.3, *Greenhouse Gas Emissions and Energy*, of the EIR. The tables below supplement the analysis in the above chapters.

Note that the anticipated construction schedule analyzed herein is approximate and is provided for analysis purposes, and the actual start and end dates may vary. While overall construction timing may vary and may occur later than assumed here, is it assumed the sequence of phases relative to other phases and activities would not change. If the schedule is delayed, then concurrent elements would still occur concurrently (i.e., phase overlaps would be the same, albeit at a later date). The emission estimates herein assume a 2020 start date for construction. However, construction is expected to start in an around the 2021 timeframe. The phasing sequences and overlap is expected to remain the same, even if construction starts at a later time period.

Construction

Construction of the proposed project would generate emissions of ROG, NO_X, CO, PM10, PM2.5, SO_X, and GHGs that could result in impacts on ambient air quality and climate change during the construction period.

Landside Components

Construction of the landside components of the proposed project would generate air pollutant emissions from the following activities: (1) use of onsite heavy duty construction equipment, (2) material hauling to and from the project site, (3) delivery of construction supplies to the project site, (4) worker travel to and from the project site, (5) excavation, and (6) demolition. These construction activities would temporarily create emissions of dust, fumes, equipment exhaust, and other air contaminants, as well as GHG emissions. All landside project activities were assumed to occur 5 days per week. Daily hours of operation for each piece of off-road equipment are provided in Table A1 of Attachment 1. The amount of emissions generated on a daily and annual basis would vary, depending on the intensity and types of construction activities occurring simultaneously, as well as construction phasing and schedule. The methods used to estimate the criteria air pollutants and GHG emissions from construction of landside components of the proposed project are described below.

Off-Road Equipment: Heavy duty construction equipment (e.g., cranes, forklifts, loaders) would be used for demolition and construction of structures, as well as construction of proposed buildings, renovations of existing buildings, and upgrades to the electrical utility service. Specific equipment used during each phase of construction was provided by the project applicant, as were horsepower assumptions for each piece. Emission factors for off-road construction equipment were obtained from the CalEEMod (version 2016.3.2) User's Guide appendix, which provides values per unit of activity (in grams per horsepower-hour) by calendar year (Trinity Consultants 2017). GHGs and criteria pollutants were estimated by multiplying the CalEEMod emission factors by the equipment inventory provided by the project applicant. It was assumed that no electrically powered equipment would be used in the construction of the proposed project. All off-road equipment would be diesel-powered.

On-Road Vehicles: On-road vehicles (e.g., pickup trucks, flatbed trucks, passenger cars) would be required for material and equipment hauling, onsite crew and material movement, employee commuting, and material disposal. Combustion exhaust, fugitive dust (PM10 and PM2.5), and fugitive off-gassing (ROG) were estimated using a combination of emission factors and methodologies from CalEEMod, version 2016.3.2; CARB's EMFAC 2017 model (CARB 2018a) ; EPA's AP-42 *Compilations of Air Pollutant Emission Factors* (EPA 2011); and CARB's *Miscellaneous Process Methodology 7.9 Entrained Road Travel, Paved Road Dust* (CARB 2018b) based on construction information (e.g., truck volumes, material volumes, number of employees) provided by the project applicant. Per the project applicant, a capacity of 15 cubic yard (CY) was assumed for all haul trucks used during construction. Emission factors for haul and disposal trucks are based on aggregated-speed emission rates for EMFAC's T7 single vehicle category for each construction year. Material would be disposed of at either the Otay Landfill in the City of Chula Vista, the Miramar Landfill in the City of San Diego, the Sycamore Landfill in the City of Santee, or another approved upland disposal site. For the purposes of a conservative analysis, the longest distance, which is to the Sycamore Landfill (approximately 20 miles from the project site), was used.[11] Haul trucks were assumed to travel the 20 mile distance to Sycamore Landfill for each one-way trip. Total truck trips assumed for each project element were provided by the project applicant and are outlined in **Table 3**.

[11] Distance from the project site to the various disposal sites is as follows (range depends on the route taken); Otay Landfill = 13.7-17 miles; Miramar Landfill = 14.2-15.6 miles; Sycamore Landfill = 16.2-20.2 miles.

Emissions associated with the construction worker commute travel were estimated based on a weighted average of light duty auto (LDA), light duty truck 1 (LDT1), and light duty truck 2 (LDT2) emission rates from EMFAC, similar to the vehicle split used in CalEEMod (e.g., LDA = 50%, LDT1 = 25%, LDT2 = 25%) for each construction year. The total number of workers per project element was provided by the project applicant and are presented in **Table 3**. The CalEEMod default trip length of 10.8 miles per trip for Home-to-Work trips was used assuming two trips per employee.

Earth Movement and Demolition: Fugitive PM10 and PM2.5 dust emissions from earth and material movement (i.e., excavation, demolition) were quantified using emission factors for truck loading, dozing, and demolition from CalEEMod, as well as total excavation and demolition material provided by the project applicant. Excavated material is expected to total 3,440 CY, and demolition debris is expected to total almost 2,700 CY. It was assumed that most of the excavated material (3,230 of the 3,440 CY) would be recompacted or used as backfill at the project site. The remaining material (210 CY of the 3,440 CY) , as well as all demolition debris, would be disposed of at either the Otay Landfill in the City of Chula Vista, the Miramar Landfill in the City of San Diego, the Sycamore Landfill in the City of Santee, or another approved upland disposal site. As mentioned above, emissions associated with truck travel to haul demolition debris and excavated material were estimated using the most conservative distance of the disposal centers, which is assumed to be the Sycamore Landfill at 20 miles per one-way trip. Total material volumes from demolition and excavation for each project element are outlined in **Table 3**.

Table 3. Material Quantities and Vehicle Trips by Project Element

Project Element	Demolition (CY)	Excavated Material (CY)	Dredged Material (CY)	Workers per day	Total Trucks	Total Scows
1. Pride of San Diego Drydock Dredging and Moorage	1,005	--	98,800	12	1,380	36
2. Pride of San Diego Wharf Replacement and Realignment	408	--	--	13	256	--
3. Fender System Repair and Replacement	269	--	--	6	180	--
4. Pier 3 Nearshore Dredging *50/50 Scenario*	--	--	15,000	10	500	3
4. Pier 3 Nearshore Dredging *All Truck Scenario*	--	--	15,000	10	1,000	--
5. Pier 3 Mooring Dolphin	--	--	--	5	24	--
6. Pier 3 North Lunchroom Wharf Replacement and Realignment	77	--	2,000	7	289	--
7. Quay Wall Modifications	--	800	--	10	10	--
8. Port Security Barrier Replacement	120	--	--	6	75	--
9. Small Boat Mooring Float Replacement	--	--	--	5	7	--
10. Central Tool Room Demolition and Reconstruction	16	150	--	13	22	--
11. New Production Building	698	2,600	--	16	258	--
12. Administrative Office Building	150	650	--	16	213	--
13. Pier 1 Restroom Reconstruction and/or Demolition	51	40	--	10	25	--
14. Main Electrical Utility Service Upgrade	--	--	--	5	5	--
15. Sanitary Sewer and Portable Water Utility Services	--	--	--	3	5	--

Architectural Coatings: Fugitive ROG emissions associated with architectural coatings were calculated using emissions factors and calculation methodologies contained in the CalEEMod User's Guide. The architectural coatings emissions estimates are based on 21,900 gross square feet of new construction in Project Element 10 (Central Tool Room) and 48,379 gross square feet of new construction in Project Element 11 (New Production Building). No coatings were assumed for Project Element 13 (Pier 1 Restroom Reconstruction and/or Demolition). Emission calculations assume a CalEEMod default ROG/VOC content of 250 grams per liter for both interior and exterior coatings.

Waterside Components

The in-water components of project construction would require operation of dredgers, scow barges, material barges, push knee tugboats, ocean-going tugboats, and survey vessels. Dredgers would be required to remove sediment and debris to replace the mooring dolphins, remove material that has entered into the Pier 3 Berth sump,[12] and remove contaminated sediment that was not previously accessible during the Regional Water Quality Control Board (RWQCB)–mandated remedial dredging in 2015.[13] Scows[14] would be required during Project Elements 1 and 4 to transport dredged material to the offshore disposal site, and material barges would be required to move equipment and materials on-site. Small push knee tugboats would be required to move the pile driving/general use floating crane and shift the dredge rig on-site. Ocean-going tugboats would be required to pick up scows loaded with dredged material and transport them to and from the offshore disposal site. Finally, survey vessels would be required to take bathymetric surveys[15] for progress reporting during dredging.

Construction of the waterside components would generate criteria air pollutant, TAC, and GHG emissions from dredging; material hauling to and from the project site; and operation of scows, tugboats, and survey vessels. All in-water dredging activities were assumed to occur 7 days per week during the dredging period. The methods used to estimate emissions from construction of waterside components of the proposed project are presented below.

Vessel Characteristics: Assumptions used to model in-water construction emissions were obtained from characteristics of similar, representative vessels. These vessels include a dredge (modeled after the Moray dredge[Dredging Supply Company 2017]), a scow/barge (modeled from the CARB *Barge and Dredge Inventory Model* database [CARB 2010c]), an ocean-going tugboat (modeled after the *A.N. Tillett* [Pacific Tugboat Service 2019], a push knee tugboat (modeled after the *Baby T* [Curtin Maritime 2017]), and a survey vessel (modeled from CARB's *Crew and Supply Boat Inventory* [2009]). Annual hours for calculating engine emission deterioration were taken from the CARB *Harborcraft Emission Inventory Methodology* (2010a). Vessel assumptions are listed in **Table 4**.

---

[12] A *sump* is defined as a pit or other type of hollow area that collects and drains liquids.

[13] Remedial dredging was completed at BAE Systems San Diego Shipyard Facility in 2015 under the RWQCB-mandated Cleanup and Abatement Order No. R9-2012-0024 (RWQCB 2012). Remedial action activities included debris removal and demolition, contaminated sediment dredging, and sand cover placement. At locations adjacent to structures such as piers, bulkheads, dolphins, and shoreline revetment, dredging was limited or avoided altogether to prevent impacts on their structural integrity. Additional details are provided in the Anchor QEA Memorandum: *Conceptual-Level Dredge Volumes at Pride of San Diego Ramp Wharf, Gripping Mooring Dolphin, and Pier 3 Break Area* (Anchor QEA 2019).

[14] A *scow* is a low, flat, barge-like vessel used to carry material.

[15] A *bathymetric survey* is used to measure of depth of a water body, and to map underwater features.

Equipment and scheduling information for all of the waterside components is provided in **Table A2** of Attachment 1.

Table 4. Vessel Characteristics

Equipment	Engine	Model Year	No. of Engines	Horsepower (each engine)	Useful Life (years)	Load Factor	Annual Hours
Dredge	Main	2015	1	275	17	0.45	1,400
	Auxiliary	2015	1	20	16	0.51	1,400
Scow/Barge	Aux	2011	1	86	16	0.89	1,400
Ocean-Going Tugboat	Main	2011	2	1,100	26	0.68	1,993
	Auxiliary	2011	2	87	25	0.43	2,965
Push Knee Tugboat	Main	2011	1	570	21	0.50	1,993
	Auxiliary	2011	1	10	23	0.31	2,965
Survey Vessel	Main	2019	1	150	28	0.38	1,796
	Auxiliary	2019	1	12	28	0.32	2,265
Material Barge	no engine						

Emission Factors: Emission factors for the harborcraft engines were obtained from the CARB Harborcraft Inventory model and are shown in **Table 5**. These factors were corrected for use of ultra-low-sulfur-diesel (ULSD), which has been a requirement since 2009. The ULSD correction factors are listed in **Table 6**. Deterioration factors were also applied to compensate for vessel engine wear. At the end of their useful life, tugboats or barges could have NO_X, PM, ROG, and CO emission factors that are 21%, 67%, 44%, and 25% higher, respectively, than their zero-hour values. Since CARB's harborcraft guidance was published, CARB has revised its methodology to cap (limit) deterioration at 12,000 hours of operation, given that diesel engines are typically rebuilt after 12,000 hours of use (Dolney pers. comm.). As a result, once an engine's cumulative hours equal 12,000, the deteriorated emission factor is assumed to be constant.[16] Deterioration factors are shown in **Table 7**. Given this 12,000-hour deterioration cap, all vessel engines listed in **Table 4** would be fully deteriorated by 2019, so the same emission factor was used for all years of the construction. The fully deteriorated and ULSD corrected emission factors for the various vessels are shown in **Table 8**, **Table 9**, and **Table 10**.

[16] This methodology is discussed in: California Air Resources Board, *Offroad Diesel Equipment Emissions Inventory Methodology Update*, 2010. Available at https://www.arb.ca.gov/regact/2010/offroadlsi10/offroadappd.pdf

Table 5. Uncorrected Harborcraft Emission Factors (grams per horsepower-hour)

Equipment	Engine	ROG	NO_X	CO	PM10	PM2.5	SO_X	CO_2	CH_4	N_2O
Dredge	Main	0.68	3.99	3.73	0.08	0.08	0.13	486	0.01	0.02
	Auxiliary	2.14	5.32	3.73	0.22	0.21	0.13	486	0.04	0.02
Scow/Barge	Main	2.14	5.32	3.73	0.22	0.21	0.13	486	0.02	0.02
	Auxiliary	0.68	5.53	3.73	0.20	0.19	0.13	486	0.01	0.02
Ocean Tug Boat	Main	2.14	5.32	3.73	0.22	0.21	0.13	486	0.02	0.02
	Auxiliary	0.68	5.10	3.73	0.15	0.15	0.13	486	0.01	0.02
Push Knee Tug Boat	Main	2.14	5.32	3.73	0.22	0.21	0.13	486	0.04	0.02
	Auxiliary	0.68	3.80	3.73	0.09	0.09	0.13	486	0.01	0.02
Survey Vessel	Main	2.14	5.32	3.73	0.22	0.21	0.13	486	0.04	0.02
	Auxiliary	0.68	3.99	3.73	0.08	0.08	0.13	486	0.01	0.02

Table 6. Ultra-Low Sulfur Diesel Correction Factors

Engine Model Year	ROG	NO_X	CO	PM10	PM2.5	SO_X	CO_2	CH_4	N_2O
1995 and older	0.720	0.930	1.000	0.720	0.720	0.043	1.000	0.720	0.930
1996 to 2010	0.720	0.948	1.000	0.800	0.800	0.043	1.000	0.720	0.948
2011 and newer	0.720	0.948	1.000	0.852	0.852	0.043	1.000	0.720	0.948

Table 7. Engine Deterioration Factors

Horsepower Range	ROG	NO_X	CO	PM10	PM2.5
25-–50	0.51	0.06	0.41	0.31	0.31
51–250	0.28	0.14	0.16	0.44	0.44
> 250	0.44	0.21	0.25	0.67	0.67

Table 8. Year 1 Harborcraft Emission Factors (grams per horsepower-hour)

Equipment	Engine	ROG	NO_X	CO	PM10	PM2.5	SO_X	CO_2	CH_4	N_2O
Dredge	Main	0.55	4.02	4.00	0.08	0.08	0.01	486	0.01	0.02
	Auxiliary	1.79	5.14	4.21	0.21	0.20	0.01	486	0.03	0.02
Scow/Barge	Main	1.77	5.42	4.05	0.23	0.22	0.01	486	0.02	0.02
	Auxiliary	0.54	5.50	3.95	0.20	0.19	0.01	486	0.01	0.02
Ocean Tug Boat	Main	1.61	5.16	3.83	0.20	0.19	0.01	486	0.02	0.02
	Auxiliary	0.54	5.09	3.96	0.15	0.14	0.01	486	0.01	0.02
Push Knee Tug Boat	Main	1.71	5.11	4.05	0.20	0.19	0.01	486	0.03	0.02
	Auxiliary	0.49	3.62	3.75	0.08	0.08	0.01	486	0.01	0.02
Survey Vessel	Main	1.57	5.05	3.78	0.19	0.18	0.01	486	0.03	0.02
	Auxiliary	0.55	4.02	4.00	0.08	0.08	0.01	486	0.01	0.02

Table 9. Year 2 Harborcraft Emission Factors (grams per horsepower-hour)

Equipment	Engine	ROG	NO_X	CO	PM10	PM2.5	SO_X	CO_2	CH_4	N_2O
Dredge	Main	0.57	4.06	4.06	0.08	0.08	0.01	486	0.01	0.02
	Auxiliary	1.84	5.16	4.30	0.21	0.20	0.01	486	0.03	0.02
Scow/Barge	Main	1.77	5.42	4.05	0.23	0.22	0.01	486	0.02	0.02
	Auxiliary	0.54	5.50	3.95	0.20	0.19	0.01	486	0.01	0.02
Ocean Tug Boat	Main	1.61	5.16	3.83	0.20	0.19	0.01	486	0.02	0.02
	Auxiliary	0.54	5.09	3.96	0.15	0.14	0.01	486	0.01	0.02
Push Knee Tug Boat	Main	1.71	5.11	4.05	0.20	0.19	0.01	486	0.03	0.02
	Auxiliary	0.50	3.64	3.77	0.08	0.08	0.01	486	0.01	0.02
Survey Vessel	Main	1.60	5.06	3.84	0.19	0.19	0.01	486	0.03	0.02
	Auxiliary	0.57	4.06	4.06	0.08	0.08	0.01	486	0.01	0.02

Table 10. Year 3 Harborcraft Emission Factors (grams per horsepower-hour)

Equipment	Engine	ROG	NO_X	CO	PM10	PM2.5	SO_X	CO_2	CH_4	N_2O
Dredge	Main	0.58	4.11	4.11	0.09	0.08	0.01	486	0.01	0.02
	Auxiliary	1.89	5.18	4.40	0.21	0.21	0.01	486	0.03	0.02
Scow/Barge	Main	1.77	5.42	4.05	0.23	0.22	0.01	486	0.02	0.02
	Auxiliary	0.54	5.50	3.95	0.20	0.19	0.01	486	0.01	0.02
Ocean Tug Boat	Main	1.61	5.16	3.83	0.20	0.19	0.01	486	0.02	0.02
	Auxiliary	0.54	5.09	3.96	0.15	0.14	0.01	486	0.01	0.02
Push Knee Tug Boat	Main	1.71	5.11	4.05	0.20	0.19	0.01	486	0.03	0.02
	Auxiliary	0.50	3.66	3.79	0.08	0.08	0.01	486	0.01	0.02
Survey Vessel	Main	1.63	5.08	3.89	0.19	0.19	0.01	486	0.03	0.02
	Auxiliary	0.58	4.11	4.11	0.09	0.08	0.01	486	0.01	0.02

Dredging: Construction of three project elements—Project Elements 1 (Pride of San Diego Drydock Dredging and Moorage), 4 (Pier 3 Nearshore Dredging), and 6 (Pier 3 North Lunchroom Wharf Replacement and Realignment) —would require dredging.

Project Element 1 would require dredging of approximately 98,800 CY. It was assumed that most of the materials (approximately 88,000 CY) would be disposed of at an offshore location (see below for location). The remaining materials (approximately 10,900 CY) are assumed to be unsuitable for offshore disposal per United States Army Corps of Engineers and EPA disposal criteria, and would require disposal at an approved upland site. Material to ocean disposal sites would be transported via tug and scow, while material to upland locations would be transported via haul truck.

Assuming a scow capacity of 2,500 CY, up to 36 scows would be required to dispose of the material at the ocean disposal site. Assuming a truck capacity of 15 CY, 700 trucks would be required to dispose of the remaining dredged material to upland locations, which could be as high as 1,333 trucks. Note that for purposes of analysis, the maximum number of trucks and scows were modeled herein. For example, for Project Element 1, there could be as few as 747 total trucks (700 for hauling and 47 for deliveries), as discussed above, but for purposes of analysis, the maximum number of

trucks (1,380, based on 1,333 for hauling and 47 for deliveries) that could theoretically be used (to haul 20,000 CY) were modeled. Additionally, while there could be as few as 32 scows, for purposes of analysis, 36 scow loads were modeled. Assuming the maximum number of both trucks and scows allows for both flexibility moving forward and to ensure maximum impacts are accounted for. For Project Element 4, the extent of unsuitable materials is currently unknown. Therefore, there are two scenarios under consideration for disposal of dredged material in this analysis:

- The **50/50 Scenario** assumes that half of the total dredged material (7,500 CY) generated during Project Element 4 would be suitable for ocean disposal and half (7,500 CY) would require upland disposal. Assuming a scow capacity of 2,500 CY, three scows would be required to dispose of the material at the ocean disposal site. Assuming a truck capacity of 15 CY, approximately 500 trucks would be required to dispose of the remaining dredged material to upland locations.
- The **All Truck Scenario** assumes that all of the dredged materials (15,000 CY) would be disposed at an upland location via haul trucks. Assuming a truck capacity of 15 CY, approximately 1,000 trucks would be required to dispose of the dredged material to upland locations.

For Project Element 6, all materials (approximately 2,000 CY) are assumed to be disposed of at an approved upland location. Assuming a truck capacity of 15 CY, approximately 134 trucks would be required to dispose of the dredged material to upland locations.

For Project Elements 1 and 4, it is assumed that the dredger would operate 18 hours per day, 7 days per week, during the schedule duration. Note that while dredging would occur within a 24-hour daily window, actual dredger usage is assumed to occur for 18 hours per day to account for periods of maintenance, shift turnover, scow/barge changes, and movement about the site. For Project Element 6, a dredger would not be needed, as a floating crane would be utilized to remove materials.

Dredged materials from Project Element 1 and Project Element 4 would be disposed of at the LA-5 ocean disposal site,[17] which is approximately 15.2 nautical miles (nm) from the BAE construction site (8.2 nm in the Bay and 7 nm in the open ocean). Assuming the ocean-going tugboat would have an average speed of 5 knots[18] within the bay and 10 knots in the open ocean, travel to the disposal site would take approximately 2.5 hours per one-way trip (5 hours per round-trip). Additionally, it was assumed the tug would be active up to 2.5 hours per day within the project area to allow for scow, barge, and other equipment movements. After arriving at the disposal location, the scow's auxiliary engine would be turned on to open the dump doors to release the dredged material into the LA-5 disposal site. It was assumed that each barge would make one trip from the construction area to the LA-5 disposal site each day and return to the BAE construction site. It was assumed that the scow auxiliary engine would operate for 1 hour per day at the disposal site, and the survey vessel would operate for 2 hours per day within the construction area. Waterside activities, equipment, and hours of operation for waterside activity are summarized in Table A2 of Attachment 1.

[17] The San Diego, CA LA-5 ocean disposal site is located at 32°36'49.8"N 117°20'40.2"W. Additional information is available at: https://www.epa.gov/ocean-dumping/managing-ocean-dumping-epa-region-9#ca

[18] A "knot" is a unit of speed equal to one nautical mile per hour. 1 knot is equal to approximately 1.15 miles per hour.

Operations

Operation of the proposed project would result in changes to the emissions of ROG, NO_X, CO, PM10, PM2.5, and SO_X that could result in long-term impacts on ambient air quality and climate change. In general, the proposed project would allow BAE to improve operational efficiency by allowing for the servicing of newer and larger classes of vessels, which would represent a change from existing conditions. This change in fleet mix serviced at the BAE facility would result in direct and indirect changes to operations. The details regarding how BAE operations would change are discussed in Sections 4.1.4.1 and 4.3.4.1 of this EIR and are supplemented here.

Landside Components

Landside operations at the proposed project site could result in generation of criteria pollutant and GHG emissions in different quantities than under existing conditions. Details about operational landside emission sources are provided below. The only landside emission source that was quantified is off-road equipment. Emissions from other sources (energy, motor vehicles, water, wastewater, waste, and process emissions) were analyzed qualitatively.

Off-road Equipment: The only change to off-road equipment use at the project site would be associated with portable generators and fire pumps, which operate during pier mooring. Under existing conditions, portable generators and fire pumps are assumed to be used 8 times per year for berthing vessels at piers. Under project conditions, portable generator and fire pump use is expected to decrease along with the number of mooring calls, which are expected to decrease from 8 annual calls under existing conditions to 5 annual calls under project conditions. The duration generators and fire pumps are used on a per-call basis is not expected to change and is expected to remain at 5 hours to berth a vessel at the pier, and 5 hours when the vessel is removed

In addition to tug activity, the number of ship repair days per year would also change with the proposed project. Under proposed project conditions, when there is a larger ship berthed at Pier 3 south, only the south side of Pier 3 would be used to berth ships, compared to both sides of Pier 3 (both the north and south sides) as under existing conditions. However, this would only occur when wide-bodied vessels (such as LHA/LHD) are berthed at Pier 3 South. This would decrease overall ship occupancy at Pier 3 and therefore result in fewer days per year that Pier 3 is active with ship maintenance and repair. There would be no change in activity for those ships dry-docked, only those that are berthed at the facility.

For purposes of analysis, it was assumed that the assist tugs would come from a nearby location within the Port. It is assumed that the tugs would travel and assist the ships into or out of the berth within 1 hour. Once the ship is berthed, the tugs would travel to other locations, so return travel time to the tug's home location is not accounted for in the analysis.

Harborcraft: To determine the model year of the various tugs, the inventory of assist tugs in the 2016 Air Emissions Inventory for the Port of San Diego was reviewed (ICF 2018). Relevant tugs and their relevant specifications are shown in **Table 11**.

Table 11. Assist Tugs in 2016 Port of San Diego Inventory

Tug Name	Year Built	CARB Compliance Date	Main (Propulsion) Engine		Auxiliary Engine		Operator
			No.	HP each	No.	HP each	
Shannon Dann	1970	2009	2	975	2	100	Dann Ocean Towing Inc.
John Quigg	2004	2019	2	2,400	2	133	Olympic Tug & Barge Inc.
Master	1997	2015	2	2,400	2	141	Crowley Maritime Corp
Scout	1998	2015	2	2,400	2	141	Crowley Maritime Corp
Tioga	1994	2013	2	1,975	2	107	Crowley Maritime Corp
Island Voyager	1973	2009	2	2,101	2	100	Island Tug & Barge Co
Bernadine C	2015	2015	2	1,000	2	87	Curtin Maritime

HP = horsepower

Using the CARB compliance date and engine size information from the Air Emissions Inventory, together with the CARB Harborcraft Engine Rule (CARB 2011), average engine model years and auxiliary engine power were estimated, as shown in **Table 12**.

Table 12. Assist Tug Characteristics

Tugs	Engine Year	Main (Propulsion) Engine		Auxiliary Engine	
		No.	HP each	No.	HP each
Assist Tug 1	2014	2	2,000	2	110
Assist Tug 2	2014	2	2,500	2	125
Assist Tug 3	2014	2	3,000	2	150
Push Knee	2012	2	750	2	95

HP = horsepower

To calculate emission deterioration of the vessels due to vessel engine wear, the useful life, load factors, and annual operating hours were taken from the CARB Harborcraft Methodology (CARB 2010a). Useful life, annual operating hours, deterioration cap, and load factors are summarized in **Table 13** for all assist and push knee tugboats used at BAE during operations. Uncorrected (or zero-hour) emission factors for the tug engines were obtained from the CARB Harborcraft Inventory Model (CARB 2007) and are shown in **Table 14**.

Table 13. Useful Life, Annual Hours, Deterioration Cap, and Load Factors

Ship	Useful Life (years)		Annual Hours		Deterioration Cap (in years)		Load Factors	
	Main	Auxiliary	Main	Auxiliary	Main	Auxiliary	Main	Auxiliary
Tugboats	21	23	2,274	2,486	5.28	4.83	0.50	0.31

Table 14. Uncorrected Harborcraft Emission Factors (grams per horsepower-hour)

Equipment	Engine	ROG	NO_X	CO	PM10	PM2.5	SO_X	CO_2	CH_4	N_2O
Assist Tug 1	Main	0.68	4.37	3.73	0.10	0.10	0.13	486	0.013	0.023
	Auxiliary	1.18	5.32	3.73	0.22	0.21	0.13	486	0.024	0.023
Assist Tug 2	Main	0.68	4.37	3.73	0.10	0.10	0.13	486	0.013	0.023
	Auxiliary	0.81	3.80	3.73	0.09	0.09	0.13	486	0.016	0.023
Assist Tug 3	Main	0.68	4.37	3.73	0.10	0.10	0.13	486	0.013	0.023
	Auxiliary	0.81	3.80	3.73	0.09	0.09	0.13	486	0.016	0.023
Push Knee	Main	0.68	5.10	3.73	0.15	0.15	0.13	486	0.013	0.023
	Auxiliary	1.18	5.32	3.73	0.22	0.21	0.13	486	0.024	0.023

Similar to construction, the emission factors from **Table 14** were corrected for use of ULSD, based on the values in **Table 6**, and for deterioration, based on the factors in **Table 7**. Based upon the 12,000-hour deterioration cap, engine model years, and the annual hours of operation given in **Table 13**, all engines will be fully deteriorated by 2025, so the same emission factor can be used for all years of project operation (assuming engines are not rebuilt). The fully deteriorated and ULSD-corrected emission factors for the assist and push knee tugs used during operation are shown in **Table 15**.

Table 15. Operational Harborcraft Emission Factors (grams per horsepower-hour)

Equipment	Engine	ROG	NO_X	CO	PM10	PM2.5	SO_X	CO_2	CH_4	N_2O
Assist Tug 1	Main	0.54	4.36	3.96	0.10	0.10	0.01	486	0.010	0.022
	Auxiliary	0.90	5.19	3.86	0.20	0.20	0.01	486	0.017	0.022
Assist Tug 2	Main	0.54	4.36	3.96	0.10	0.10	0.01	486	0.010	0.022
	Auxiliary	0.62	3.71	3.86	0.08	0.08	0.01	486	0.012	0.022
Assist Tug 3	Main	0.54	4.36	3.96	0.10	0.10	0.01	486	0.010	0.022
	Auxiliary	0.62	3.71	3.86	0.08	0.08	0.01	486	0.012	0.022
Push Knee	Main	0.54	5.09	3.96	0.15	0.14	0.01	486	0.010	0.022
	Auxiliary	0.90	5.19	3.86	0.20	0.20	0.01	486	0.017	0.022

Results

Criteria Air Pollutant Emissions

Construction

The estimate of daily criteria air pollutant emissions by phase for each year of construction of the proposed project are provided below. Emissions are compared to daily thresholds. As summarized, maximum daily emissions for each year of construction would be below thresholds for each criteria air pollutant. Construction emissions would be highest in the first year of construction, but peak

daily construction would not exceed daily thresholds on any day in any year. A breakdown of the maximum day for each year of construction is as follows:

- For year 1 (**Table 16**), maximum daily emissions are expected to occur when dredging for the Pride of San Diego drydock (Project Element 1) would overlap with Pride of San Diego drydock wharf construction work (Project Element 2). This peak overlap period would be brief (assumed to be 1 day) and would include Pride of San Diego in-water vessel activity (tugs, scow, and survey vessel) and haul trucks activity concurrent with Pride of San Diego wharf construction and truck activity (primarily deliveries). The peak day for all of construction occurs in year 1 but would be below thresholds.
- For year 2 (**Table 17**), maximum daily emissions are expected to occur when Project Element 6 (Pier 3 North Lunchroom Wharf Replacement and Realignment) demolition, construction, and piling would overlap. This overlapping period would occur as the demolition portion is finishing and pile driving construction begins. This overlapping period would be less than 1 week.
- For year 3 (**Table 18**), maximum daily emissions are expected to occur during Pier 3 South Nearshore Dredging (Project Element 4). The peak overlap period would occur during concurrent dredging and truck hauling activities.
- For year 4 (**Table 19**), maximum daily emissions are expected to occur during Administrative Office Building construction and demolition (Project Element 12).
- For year 5 (**Table 20**), maximum daily emissions are expected to occur during Central Tool Room Demolition and Reconstruction activities (Project Element 10).

Note that the anticipated construction schedule analyzed herein is approximate and is provided for analysis purposes, and the actual start and end dates may vary. While overall construction timing may vary and may occur later than assumed here, is it assumed the sequence of phases relative to other phases and activities would not change. If the schedule is delayed, then concurrent elements would still occur concurrently (i.e., phase overlaps would be the same, albeit at a later date).

Table 16. Estimate of Construction Emissions in Year 1 (pounds per day)

Project Element	Construction Activity	ROG	NO_X	CO	PM10	PM2.5	SO_X
1. Pride of San Diego Drydock Dredging and Moorage Replacement	Dredging	22	180	131	6	6	<1
	Demolition	3	20	15	1	1	<1
	Construction	3	19	13	1	1	<1
	On-Road Vehicle Travel	1	12	3	1	<1	<1
2. Pride of San Diego Drydock Wharf Replacement and Realignment	Demolition	3	20	15	2	1	<1
	Construction	3	23	17	1	1	<1
	On-Road Vehicle Travel	<1	3	1	<1	<1	<1
3. Fender System Repair and Replacement	Repair and Replacement	2	22	15	3	1	<1
	Construction	3	25	18	1	1	<1
	Maintenance & Replacement	--	--	--	--	--	--
	On-Road Vehicle Travel	<1	2	1	<1	<1	<1
7. Quay Wall Modifications	Construction	5	49	32	2	2	<1
	On-Road Vehicle Travel	<1	1	1	<1	<1	<1
9. Small Boat Mooring Float Replacement	Demolition	1	8	5	<1	<1	<1
	Construction	1	8	5	<1	<1	<1
	On-Road Vehicle Travel	<1	<1	<1	<1	<1	<1
Year 1 Maximum Daily Emissions		27	221	153	9	8	<1
Significance Threshold		*75*	*250*	*550*	*100*	*55*	*250*
Exceed Threshold?		No	No	No	No	No	No

Source: ICF Emissions Modeling.
Underlined values indicate phases that contribute to the peak day.
Values may not add exactly due to schedule, overlapping phases, and rounding.

Table 17. Estimate of Construction Emissions in Year 2 (pounds per day)

Project Element	Construction Activity	ROG	NO_X	CO	PM10	PM2.5	SO_X
3. Fender System Repair and Replacement	Repair and Replacement	--	--	--	--	--	--
	Construction	--	--	--	--	--	--
	Maintenance & Replacement	3	23	17	1	1	<1
	On-Road Vehicle Travel	--	--	--	--	--	--
6. Pier 3 North Lunchroom Wharf Replacement and Realignment	Demolition	4	31	23	2	1	<1
	Construction	3	21	15	1	1	<1
	On-Road Vehicle Travel	<1	2	1	<1	<1	<1
8. Port Security Barrier Replacement	Demolition	3	23	16	1	1	<1
	Construction	2	16	11	1	1	<1
	On-Road Vehicle Travel	<1	1	<1	<1	<1	<1
14. Main Electrical Utility Service Update	Demolition	1	6	6	<1	<1	<1
	Construction	1	6	6	<1	<1	<1
	On-Road Vehicle Travel	<1	<1	<1	<1	<1	<1
Year 2 Maximum Daily Emissions		7	53	39	3	2	<1

Project Element	Construction Activity	ROG	NO_X	CO	PM10	PM2.5	SO_X
Significance Threshold		*75*	*250*	*550*	*100*	*55*	*250*
Exceed Threshold?		No	No	No	No	No	No

Source: ICF Emissions Modeling.
Underlined values indicate phases that contribute to the peak day.
Values may not add exactly due to schedule, overlapping phases, and rounding.

Table 18. Estimate of Construction Emissions in Year 3 (pounds per day)

Project Element	Construction Activity	ROG	NO_X	CO	PM10	PM2.5	SO_X
4. Pier 3 South Nearshore Dredging *50/50 Scenario*	Dredging	16	127	96	5	4	<1
	On-Road Vehicle Travel	<1	3	1	<1	<1	<1
4. Pier 3 South Nearshore Dredging *All Truck Scenario*	Dredging	4	26	22	1	1	<1
	On-Road Vehicle Travel	<1	7	2	<1	<1	<1
5. Pier 3 Mooring Dolphin	Construction	2	13	9	1	1	<1
	On-Road Vehicle Travel	<1	<1	<1	<1	<1	<1
11. New Production Building	Demolition	2	14	12	1	1	<1
	Construction	8	15	13	1	1	<1
	On-Road Vehicle Travel	<1	1	1	<1	<1	<1
15. Sanitary Sewer and Potable Water Utility Services	Demolition	1	6	6	<1	<1	<1
	Construction	1	6	6	<1	<1	<1
	On-Road Vehicle Travel	<1	<1	<1	<1	<1	<1
Year 3 Maximum Daily Emissions		16	131	97	5	4	<1
Significance Threshold		*75*	*250*	*550*	*100*	*55*	*250*
Exceed Threshold?		No	No	No	No	No	No

Source: ICF Emissions Modeling.
Underlined values indicate phases that contribute to the peak day.
Values may not add exactly due to schedule, overlapping phases, and rounding.

Table 19. Estimate of Construction Emissions in Year 4 (pounds per day)

Project Element	Construction Activity	ROG	NO_X	CO	PM10	PM2.5	SO_X
11. New Production Building	Construction	8	14	13	1	1	<1
	On-Road Vehicle Travel	<1	<1	1	<1	<1	<1
12. Administration Office Building	Demolition	2	13	12	1	1	<1
	Construction	2	14	13	1	1	<1
	On-Road Vehicle Travel	<1	<1	1	<1	<1	<1
Year 4 Maximum Daily Emissions		8	27	25	2	1	<1
Significance Threshold		*75*	*250*	*550*	*100*	*55*	*250*
Exceed Threshold?		No	No	No	No	No	No

Source: ICF Emissions Modeling.
Underlined values indicate phases that contribute to the peak day.
Values may not add exactly due to schedule, overlapping phases, and rounding.

Table 20. Estimate of Construction Emissions in Year 5 (pounds per day)

Project Element	Construction Activity	ROG	NO_X	CO	PM10	PM2.5	SO_X
10. Central Tool Room Demolition and Reconstruction	Demolition	2	12	12	1	1	<1
	Construction	6	13	12	1	1	<1
	On-Road Vehicle Travel	<1	<1	<1	<1	<1	<1
12. Administration Office Building	Construction	2	13	12	1	1	<1
	On-Road Vehicle Travel	<1	<1	1	<1	<1	<1
13. Pier 1 Restroom Renovation and/or Demolition	Demolition	1	6	5	<1	<1	<1
	On-Road Vehicle Travel	<1	<1	<1	<1	<1	<1
Year 5 Maximum Daily Emissions		7	26	25	2	1	<1
Significance Threshold		*75*	*250*	*550*	*100*	*55*	*250*
Exceed Threshold?		No	No	No	No	No	No

Source: ICF Emissions Modeling.
Underlined values indicate phases that contribute to the peak day.
Values may not add exactly due to schedule, overlapping phases, and rounding.

The total tons of criteria pollutant emissions by phase for construction of each project element are provided in **Table 21** for both the all-truck and 50/50 truck/scow scenarios for Project Element 4. The summary of total tons by year is provided in **Table 22**. As shown, the maximum annual emissions would occur in the first year of construction. Emissions during all years are expected to be well below annual thresholds for all criteria pollutants.

Table 21. Estimate of Construction Emissions by Project Element and Activity (total tons)

Project Element	Construction Activity	ROG	NO_X	CO	PM10	PM2.5	SO_X
1. Pride of San Diego Drydock Dredging and Moorage Replacement	Dredging	0.4	3.2	2.3	0.1	0.1	<0.1
	Demolition	<0.1	0.2	0.2	<0.1	<0.1	<0.1
	Construction	<0.1	0.3	0.2	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	0.5	0.1	<0.1	<0.1	<0.1
2. Pride of San Diego Drydock Wharf Replacement and Realignment	Demolition	<0.1	0.2	0.2	<0.1	<0.1	<0.1
	Construction	0.1	0.5	0.3	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
3. Fender System Repair and Replacement	Repair & Replacement	<0.1	0.2	0.1	<0.1	<0.1	<0.1
	Construction	0.1	0.4	0.3	<0.1	<0.1	<0.1
	Maintenance & Replacement	<0.1	0.4	0.3	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	0.1	<0.1	<0.1	<0.1	<0.1

Project Element	Construction Activity	ROG	NO_X	CO	PM10	PM2.5	SO_X
4. Pier 3 South Nearshore Dredging *50/50 Scenario*	Dredging	0.6	4.4	3.3	0.2	0.2	<0.1
	On-Road Vehicle Travel	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
4. Pier 3 South Nearshore Dredging *All Truck Scenario*	Dredging	0.1	0.9	0.8	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	0.2	0.1	<0.1	<0.1	<0.1
5. Pier 3 Mooring Dolphin	Construction	<0.1	0.2	0.1	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6. Pier 3 Lunchroom Wharf Replacement and Realignment	Demolition	<0.1	0.2	0.1	<0.1	<0.1	<0.1
	Construction	0.1	0.6	0.5	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
7. Quay Wall Modifications	Construction	<0.1	0.3	0.2	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8. Port Security Barrier Replacement	Demolition	<0.1	0.1	0.1	<0.1	<0.1	<0.1
	Construction	<0.1	0.3	0.2	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
9. Small Boat Mooring Float Replacement	Demolition	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Construction	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10. Central Tool Room Demolition and Replacement	Demolition	<0.1	0.1	0.1	<0.1	<0.1	<0.1
	Construction	0.4	0.9	0.8	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
11. New Production Building	Demolition	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Construction	1	1.4	1.2	0.1	0.1	<0.1
	On-Road Vehicle Travel	<0.1	0.1	0.1	<0.1	<0.1	<0.1
12. Administrative Office Building	Demolition	<0.1	0.2	0.2	<0.1	<0.1	<0.1
	Construction	0.2	1.2	1.1	0.1	0.1	<0.1
	On-Road Vehicle Travel	<0.1	0.0	0.1	<0.1	<0.1	<0.1
13. Pier 1 Restroom Renovation and/or Demolition	Demolition	<0.1	0.1	0.1	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Project Element	Construction Activity	ROG	NO_X	CO	PM10	PM2.5	SO_X
14. Main Electrical Utility Service Update	Demolition	<0.1	0.1	0.1	<0.1	<0.1	<0.1
	Construction	<0.1	0.2	0.2	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
15. Sanitary Sewer and Potable Water Utility Services	Demolition	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Construction	<0.1	0.1	0.1	<0.1	<0.1	<0.1
	On-Road Vehicle Travel	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Source: ICF Emissions Modeling.

Table 22. Summary of Construction Emissions by Year (tons)

Year	ROG	NO_X	CO	PM10	PM2.5	SO_X
50/50 Scenario						
Year 1	0.7	6.1	4.1	0.3	0.2	<0.1
Year 2	0.2	1.8	1.3	0.1	0.1	<0.1
Year 3	0.4	2.1	1.8	0.1	0.1	<0.1
Year 4	0.7	1.8	1.7	0.1	0.1	<0.1
Year 5	0.5	1.7	1.7	0.1	0.1	<0.1
Maximum Annual Emissions	0.7	6.1	4.1	0.3	0.2	<0.1
Total Emissions	2.6	13.5	10.5	0.7	0.6	<0.1
Significance Threshold	*13.7*	*40*	*100*	*15*	*10*	*40*
All Truck Scenario						
Year 1	0.7	6.1	4.1	0.3	0.2	<0.1
Year 2	0.2	1.8	1.3	0.1	0.1	<0.1
Year 3	0.4	2.0	1.7	0.1	0.1	<0.1
Year 4	0.7	1.8	1.7	0.1	0.1	<0.1
Year 5	0.5	1.7	1.7	0.1	0.1	<0.1
Maximum Annual Emissions	0.7	6.1	4.1	0.3	0.2	<0.1
Total Emissions	2.6	13.5	10.4	0.7	0.6	<0.1
Significance Threshold	*13.7*	*40*	*100*	*15*	*10*	*40*

Source: ICF Emissions Modeling.
Totals may not add up exactly due to rounding.

Operation

The estimates of criteria air pollutant emissions associated with existing and project tugboat use during operations are provided below. The daily emissions analysis represents the emissions associated with a single vessel call on a given "peak" day. Emissions associated with existing conditions under the extreme and clam weather scenarios at the daily time scale are presented in **Table 23**, Under both scenarios, future tugboat operations would result in an increase in emissions on a daily (per call) basis due to the increase in tugboat power required to berth the larger vessels. While emissions on a daily (per call) basis are expected to increase, this change in emissions would

be well below thresholds. As discussed below, the increase in emissions would be temporary and occur only on days when vessel arrive or depart the berth.

Table 23. Estimate of Operational Emissions (pounds per day)

Condition	Source	Total Tug HP	ROG	NO_X	CO	PM10	PM2.5	SO_X
Existing (Scenario 1)[1]	Generators and Fire Pumps	7,250	<1	4	14	<1	<1	<1
	Tug Activity	12,000	7	59	54	1	1	<1
	Total	**--**	**8**	**64**	**68**	**2**	**2**	**<1**
Existing (Scenario 2)[1]	Generators and Fire Pumps	7,250	<1	4	14	<1	<1	<1
	Tug Activity	13,500	9	69	61	2	2	<1
	Total	**--**	**9**	**74**	**75**	**2**	**2**	**<1**
Project	Generators and Fire Pumps	7,250	<1	4	14	<1	<1	<1
	Tug Activity	14,500	9	77	66	2	2	<1
	Total	**--**	**10**	**81**	**80**	**2**	**2**	**<1**
Net Change with Project								
Scenario 1		--	2	17	12	1	1	<1
Scenario 2		--	1	7	5	<1	<1	<1
Significance Threshold		--	75	250	550	100	55	250
Exceed Significant Threshold?		--	No	No	No	No	No	No

[1] Scenario 1 is two larger tugs and Scenario 2 is three smaller tugs and one pusher tug,
Note: Totals may not add exactly due to rounding.

Emissions at the annual time scale are summarized in **Table 24**. As shown, project operations would result in a decrease in emissions on an annual compared to existing conditions due to the decrease in activity. Thus, while emissions on a per-call basis would increase (**Table 23**), the reduction in vessel calls annually would decrease emissions annually and over the life of the project (**Table 24**).

Table 24. Estimate of Operational Emissions (tons per year)

Condition	Source	Total Tug HP	ROG	NO_X	CO	PM10	PM2.5	SO_X
Existing (Scenario 1)[1]	Generators and Fire Pumps	58,000	0.004	0.036	0.109	0.001	0.001	<0.000
	Tug Activity	96,000	0.030	0.237	0.216	0.005	0.005	<0.000
	Total	**--**	**0.033**	**0.273**	**0.325**	**0.007**	**0.007**	**0.001**
Existing (Scenario 2)[1]	Generators and Fire Pumps	58,000	0.004	0.036	0.109	0.001	0.001	<0.000
	Tug Activity	108,000	0.034	0.276	0.245	0.007	0.007	<0.000
	Total	**--**	**0.038**	**0.312**	**0.354**	**0.008**	**0.008**	**0.001**
Project	Generators and Fire Pumps	36.250	0.002	0.022	0.068	0.001	0.001	<0.000
	Tug Activity	72,500	0.023	0.192	0.165	0.005	0.005	<0.000
	Total	**--**	**0.025**	**0.214**	**0.233**	**0.006**	**0.006**	**<0.000**
Net Change with Project								
Scenario 1		--	-0.008	-0.059	-0.091	-0.001	-0.001	<0.000
Scenario 2		--	-0.013	-0.098	-0.120	-0.002	-0.002	<0.000
Significance Threshold		--	13.7	40	100	15	10	40
Exceed Significant Threshold?		--	No	No	No	No	No	No

[1] Scenario 1 is two larger tugs and Scenario 2 is three smaller tugs and one pusher tug,
Source: ICF Emissions Modeling (Appendix C).

Greenhouse Gas Emissions

Construction

GHG emissions by activity for each project element are summarized in **Table 25**. GHG emissions by year and the amortized total (assuming a 30-year project life) are summarized in **Table 26**. The highest emissions would occur during the first year of construction, and overall project emissions would be greater under the 50/50 Scenario as compared to the All Truck Scenario for Project Element 4.

Table 25. GHG Emissions by Project Element and Activity during Construction (metric tons)

Project Element	Construction Activity	CO_2e
1. Pride of San Diego Drydock Dredging and Moorage Replacement	Dredging	273
	Demolition	23
	Construction	33
	On-Road Vehicle Travel	119
2. Pride of San Diego Drydock Wharf Replacement and Realignment	Demolition	23
	Construction	46
	On-Road Vehicle Travel	26
3. Fender System Repair and Replacement	Repair and Replacement	24
	Construction	44
	Maintenance & Replacement	43
	On-Road Vehicle Travel	17
4. Pier 3 South Nearshore Dredging *50/50 Scenario*	Dredging	176
	On-Road Vehicle Travel	43
4. Pier 3 South Nearshore Dredging *All Truck Scenario*	Dredging	164
	On-Road Vehicle Travel	81
5. Pier 3 Mooring Dolphin	Construction	21
	On-Road Vehicle Travel	3
6. Pier 3 Lunchroom Wharf Replacement and Realignment	Demolition	16
	Construction	68
	On-Road Vehicle Travel	27
7. Quay Wall Modifications	Construction	2
	On-Road Vehicle Travel	40
8. Port Security Barrier Replacement	Demolition	8
	Construction	12
	On-Road Vehicle Travel	28
9. Small Boat Mooring Float Replacement	Demolition	3
	Construction	7
	On-Road Vehicle Travel	1
10. Central Tool Room Demolition and Replacement	Demolition	14
	Construction	143
	On-Road Vehicle Travel	13
11. New Production Building	Demolition	6
	Construction	204
	On-Road Vehicle Travel	39
12. Administrative Office Building	Demolition	29
	Construction	183
	On-Road Vehicle Travel	35
13. Pier 1 Restroom Renovation and/or Demolition	Demolition	9
	On-Road Vehicle Travel	3
14. Main Electrical Utility Service Update	Demolition	13

Project Element	Construction Activity	CO_2e
	Construction	26
	On-Road Vehicle Travel	3
15. Sanitary Sewer and Potable Water Utility Services	Demolition	8
	Construction	25
	On-Road Vehicle Travel	2

CO_2e = carbon dioxide equivalent

Table 26. GHG Emissions during Construction by Year (metric tons)

Year	CO_2e
50/50 Scenario	
Year 1	681
Year 2	224
Year 3	366
Year 4	309
Year 5	299
Total Emissions	1,879
Amortized Construction Emissions (30 years)	63
All Truck Scenario	
Year 1	681
Year 2	224
Year 3	392
Year 4	309
Year 5	299
Total Emissions	1,905
Amortized Construction Emissions (30 years)	64

CO_2e = carbon dioxide equivalent

Operation

Annual GHG emissions from all operational changes at the project site are summarized in **Table 27**. Under both scenarios, future operations would result in a decrease in GHG emissions on an annual basis compared to existing conditions, due primarily to the decrease in tugboat and off-road equipment use with the reduction in annual vessel calls. However, when combined with amortized construction, both operational scenarios would result in a small increase in GHGs relative to existing conditions.

Table 27. Estimate of Operational GHG Emissions

Condition	Source	Total HP	$MTCO_2e$ per year
Existing (Scenario 1)[1]	Generators and Fire Pumps	58,000	25
	Tug Activity	96,000	24
	Total	**--**	**49**
Existing (Scenario 2)[1]	Generators and Fire Pumps	58,000	25
	Tug Activity	108,000	28
	Total	**--**	**52**
Project	Generators and Fire Pumps	36,250	15
	Tug Activity	72,500	19
	Operations Only	**--**	**34**
	Amortized Construction Emissions		*136*
	Total	**--**	**170**
Net Operational Change with Project			
Scenario 1		--	-15
Scenario 2		--	-18
Net Overall Project Change			
Scenario 1		--	+121
Scenario 2		--	+118
Screening Level			900
Exceed Screening Level?			*No*

[1] Scenario 1 is two larger tugs and Scenario 2 is three smaller tugs and one pusher tug.

Note: Totals may not add up exactly because of rounding. HP = horsepower; $MTCO_2e$ = metric tons of carbon dioxide equivalent.

References Cited

Anchor QEA. 2019. *Conceptual-Level Dredge Volumes at Pride of San Diego Ramp Wharf, Gripping Mooring Dolphin, and Pier 3 Break Area*. July 17.

California Air Resources Board (CARB). 2007. *Commercial Harborcraft Inventory Model*. Available: https://ww3.arb.ca.gov/msei/california_harbor_craft_emissions_inventory_database_10072011.mdb Accessed: July 2019.

———. 2009. *Crew and Supply Boat Inventory Model*. Available: https://www.arb.ca.gov/msei/california_crew_supply_emissions_inventory_database_10072011.mdb. Accessed: May 2019.

———. 2010a. *Harborcraft Emission Inventory Methodology.* May. Available: https://www.arb.ca.gov/regact/2010/chc10/appc.pdf. Accessed: May 2019.

———. 2010b. *Offroad Diesel Equipment Emissions Inventory Methodology Update*. Available: https://www.arb.ca.gov/regact/2010/offroadlsi10/offroadappd.pdf. Accessed: May 2019.

———. 2010c. *Barge and Dredge Inventory Model*. Available: https://www.arb.ca.gov/msei/california_barge_dredge_emissions_inventory_database_10072011.mdb. Accessed: May 2019.

———. 2011. *Amendments to the Regulations to Reduce Emissions from Diesel Engines on Commercial Harbor Craft Operated Within California Waters and 24 Nautical Miles of the California Baseline.* California Code of Regulations, Title 17, section 93118.5. June. Available: https://ww3.arb.ca.gov/regact/2010/chc10/frochc931185.pdf?_ga=2.135795121.1698807475.1564423250-1334159753.1561570210. Accessed: July 2019.

———. 2018a. California Emission Factor Model Web Database. March. Available: https://www.arb.ca.gov/emfac/. Accessed: March 2019.

———. 2018b. *Miscellaneous Process Methodology 7.9 Entrained Road Travel, Paved Road Dust.* March. Available: https://www.arb.ca.gov/ei/areasrc/fullpdf/full7-9_2018.pdf. Accessed: January 2018.

Curtin Maritime. 2017. *Fleet, Baby-T Specifications*. Available: https://curtinmaritime.com/wp-content/uploads/Curtin_Maritime_Fleet-Baby-T-Spec-Sheet.pdf. Accessed: July 2019.

Dolney, Nicole. California Air Resources Board. Personal communication with ICF, March 25, 2013.

Dredging Supply Company, Inc. 2017. 8*" Moray Class Dredge Preliminary Specifications*. Available: https://dredgeamerica.com/wp-content/uploads/2017/10/MOrray-Specs-sheet.pdf. Accessed: May 2019.

ICF. 2018. *Port of San Diego 2016 Maritime Air Emission Inventory*. June. Available: https://pantheonstorage.blob.core.windows.net/environment/2016-Maritime-Air-Emissions-Inventory.pdf. Accessed: May 2019.

Pacific Tugboat Service. 2019. *Fleet, A.N. Tillett Vessel Specifications*. Available: https://www.pacifictugboats.com/wp-content/uploads/2019/02/AN-Tillett-Spec-Sheets.pdf. Accessed: May 2019.

San Diego Regional Water Quality Control Board. 2012. *Cleanup and Abatement Order R9-2012-0024 for the Shipyard Sediment Site*. March 14.

San Diego Unified Port District. 2015. Pier 1 North Drydock, Associated Real Estate Agreements and Removal of Cooling Tunnels Project Draft EIR. April.

Trinity Consultants. 2017. *California Emissions Estimator Model User's Guide*. Version 2016.3.2.

U.S. Environmental Protection Agency (EPA). 2011. *AP-42 Compilations of Air Pollutant Emission Factors- Section 13.2.1, Paved Roads.* Available: https://www3.epa.gov/ttn/chief/ap42/ch13/final/c13s0201.pdf.

Attachment 1

Construction Modeling Details

Attachment 1
BAE Construction Modeling Details pg 1

Project Element	Phase	Workers/Day	Equipment	Number of Pieces Used	Hours per day	Start Date	End Date	Working Days
Pride of San Diego Dry Dock Dredging						6/22/2020	9/30/2020	83
Dredge Sump at New Layout / Alignment	Trenching (Dredging)	12	Dredge	1	18	7/6/2020	8/13/2020	38
			Scow/Barge	3	2	7/6/2020	8/13/2020	38
			Tug Boat (Ocean-Going)	1	2	7/6/2020	8/13/2020	38
			Survey Vessel	1	2	7/6/2020	8/13/2020	38
			Tractor/Loader/Backhoe	2	10	7/23/2020	8/4/2020	12
Demolish Existing Dolphin Structures	Demolition	12	Cranes	1	8	6/22/2020	7/22/2020	23
			Forklifts	1	6	6/22/2020	7/22/2020	23
			Other Construction Equipment	2	6	6/22/2020	7/22/2020	23
			Tug Boat (Small Push Knee)	1 (shared)	4	6/22/2020	7/22/2020	23
			Other Material Handling Equipment	2	6	6/22/2020	7/22/2020	23
			Welders	2	4	6/22/2020	7/22/2020	23
			Generators	1	4	6/22/2020	7/22/2020	23
Construct New Dolphin Structures	Construction	12	Cranes	1	8	8/11/2020	9/30/2020	37
			Forklifts	1	6	8/11/2020	9/30/2020	37
			Tug Boat (Small Push Knee)	1 (shared)	1	8/11/2020	9/30/2020	37
			Other Construction Equipment	2	6	8/11/2020	9/30/2020	37
			Other Material Handling Equipment	2	6	8/11/2020	9/30/2020	37
			Welders	2	4	8/11/2020	9/30/2020	37
			Generators	1	4	8/11/2020	9/30/2020	37
Pile Driving	Construction		Pile Driving Hammer	1	4	8/11/2020	8/21/2020	9
Pride of San Diego Wharf Replacement						6/1/2020	9/29/2020	64
POSD Wharf Replacement/Realignment	Demolition	13	Cranes	1	8	6/1/2020	7/1/2020	23
			Forklifts	1	6	6/1/2020	7/1/2020	23
			Other Construction Equipment	2	6	6/1/2020	7/1/2020	23
			Tug Boat (Small Push Knee)	1 (shared)	1	6/1/2020	7/1/2020	23
			Other Material Handling Equipment	2	6	6/1/2020	7/1/2020	23
			Welders	2	4	6/1/2020	7/1/2020	23
			Generators	1	4	6/1/2020	7/1/2020	23
	Construction	13	Cranes	1	8	8/4/2020	9/29/2020	41
			Forklifts	2	6	8/4/2020	9/29/2020	41
			Other Construction Equipment	2	6	8/4/2020	9/29/2020	41
			Tug Boat (Small Push Knee)	1 (shared)	1	8/4/2020	9/29/2020	41
			Other Material Handling Equipment	2	6	8/4/2020	9/29/2020	41
			Welders	2	4	8/4/2020	9/29/2020	41
			Generators	1	4	8/4/2020	9/29/2020	41
	Pile Driving		Pile Driving Hammer	1	4	8/4/2020	8/19/2020	12
Fender System Repair and Replacement						3/24/2020	5/21/2021	52
Fender System Repair and Replacement	Replacement	6	Cranes	1	8	3/24/2020	4/17/2020	19
			Forklifts	1	6	3/24/2020	4/17/2020	19
			Pile Extracting & Driving Vibratory Hammer	1	8	3/24/2020	4/17/2020	19
			Other Construction Equipment	1	6	3/24/2020	4/17/2020	19
			Other Material Handling Equipment	1	6	3/24/2020	4/17/2020	19
			Tug Boat (Small Push Knee)	1	4	3/24/2020	4/17/2020	19
	New Construction	6	Cranes	1	8	11/6/2020	12/22/2020	33
			Forklifts	2	6	11/6/2020	12/22/2020	33
			Pile Driving Vibratory Hammer	1	5	11/6/2020	12/22/2020	33
			Other Construction Equipment	2	6	11/6/2020	12/22/2020	33
			Other Material Handling Equipment	2	6	11/6/2020	12/22/2020	33
			Tug Boat (Small Push Knee)	1	4	11/6/2020	12/22/2020	33
	Maintenance/Replacement	6	Cranes	1	8	4/5/2021	5/21/2021	35
			Forklifts	2	6	4/5/2021	5/21/2021	35
			Pile Extracting & Driving Vibratory Hammer	1	3	4/5/2021	5/21/2021	35
			Other Construction Equipment	2	6	4/5/2021	5/21/2021	35
			Other Material Handling Equipment	2	6	4/5/2021	5/21/2021	35
			Tug Boat (Small Push Knee)	1	4	4/5/2021	5/21/2021	35

Attachment 1
BAE Construction Modeling Details pg 2

Project Element	Phase	Workers/Day	Equipment	Number of Pieces Used	Hours per day	Start Date	End Date	Working Days
Pier 3 Near Shore Dredging						6/1/2022	8/9/2022	69
Pier 3 Near Shore Dredging	Trenching (Dredging)	10	Dredge	1	18	6/1/2022	8/9/2022	69
			Scow/Barge	2	2	6/1/2022	8/9/2022	69
			Tug Boat (small push knee)	1	4	6/1/2022	8/9/2022	69
			Survey Vessel	1	2	6/1/2022	8/9/2022	69
			Tractor/Loader/Backhoe	2	12	6/1/2022	8/9/2022	69
Pier 3 Mooring Dolphin						8/10/2022	9/22/2022	32
Pier 3 Mooring Dolphin	Construction	5	Cranes	1	8	8/10/2022	9/22/2022	32
			Matl Barge	1	0	8/10/2022	9/22/2022	32
			Tug Boat (small push knee)	1	1	8/10/2022	9/22/2022	32
			Other Construction Equipment	1	6	8/10/2022	9/22/2022	32
			Other Material Handling Equipment	1	6	8/10/2022	9/22/2022	32
	Pile Driving		Pile Driving Hammer	1	4	8/10/2022	8/13/2022	3
Pier 3 Lunchroom Wharf Replacement						6/14/2021	9/30/2021	79
Pier 3 Lunchroom Wharf Replacement	Demolition	7	Cranes	1	8	6/14/2021	6/30/2021	13
			Forklifts	1	6	6/14/2021	6/30/2021	13
			Other Construction Equipment	2	6	6/14/2021	6/30/2021	13
			Tug boat (small push knee)	1	1	6/14/2021	6/30/2021	13
			Other Material Handling Equipment	2	6	6/14/2021	6/30/2021	13
			Welders	2	4	6/14/2021	6/30/2021	13
			Generators	1	4	6/14/2021	6/30/2021	13
			Tractor/Loader/Backhoe	2	10	6/14/2021	6/30/2021	13
	Construction	7	Cranes	1	8	6/30/2021	9/30/2021	67
			Forklifts	1	6	6/30/2021	9/30/2021	67
			Other Construction Equipment	2	6	6/30/2021	9/30/2021	67
			Tug boat (small push knee)	1	1	6/30/2021	9/30/2021	67
			Other Material Handling Equipment	2	6	6/30/2021	9/30/2021	67
			Welders	2	4	6/30/2021	9/30/2021	67
			Generators	1	4	6/30/2021	9/30/2021	67
	Pile Driving		Pile Driving Hammer	1	4	6/28/2021	7/13/2021	12
Quay Wall Modifications at South End Property						10/5/2020	11/5/2020	24
Quay Wall Modifications at South End Property	Excavation (Trenching)	10	Cranes	1	8	10/19/2020	11/5/2020	14
			Barge (NOT REQ'D)		N/A	10/19/2020	11/5/2020	14
			Tug boat (small push knee)	1	2	10/19/2020	11/5/2020	14
			Survey Vessel	1	1	10/19/2020	11/5/2020	14
			Tractor/Loader/Backhoe	2	8	10/19/2020	11/5/2020	14
	Construction	10	Cranes	1	8	10/5/2020	10/19/2020	11
			Forklifts	1	6	10/5/2020	10/19/2020	11
			Other Construction Equipment	2	6	10/5/2020	10/19/2020	11
			Tug boat (small push knee)	1	1	10/5/2020	10/19/2020	11
			Pile Driving Vibratory Hammer	1	6	10/5/2020	10/19/2020	11
			Other Material Handling Equipment	2	6	10/5/2020	10/19/2020	11
			Welders	2	4	10/5/2020	10/19/2020	11
			Generators	1	4	10/5/2020	10/19/2020	11
Port Security Barrier (PSB) Replacement						2/1/2021	4/2/2021	45
Port Security Barrier (PSB) Replacement	Demolition	6	Cranes	1	8	2/1/2021	2/15/2021	11
			Tug Boat (small push knee)	1	4	2/1/2021	2/15/2021	11
			Other Construction Equipment	1	6	2/1/2021	2/15/2021	11
			Other Material Handling Equipment	1	6	2/1/2021	2/15/2021	11
	Construction	6	Cranes	1	8	2/15/2021	4/2/2021	35
			Tug Boat (small push knee)	1	2	2/15/2021	4/2/2021	35
			Other Construction Equipment	1	6	2/15/2021	4/2/2021	35
			Other Material Handling Equipment	1	6	2/15/2021	4/2/2021	35

Attachment 1
BAE Construction Modeling Details pg 3

Project Element	Phase	Workers/Day	Equipment	Number of Pieces Used	Hours per day	Start Date	End Date	Working Days
Small Boat Mooring Float Replacement						4/21/2020	5/22/2020	24
Small Boat Mooring Float Replacement	Demolition	5	Cranes	1	4	4/21/2020	4/28/2020	6
			Forklifts	1	4	4/21/2020	4/28/2020	6
			Pile Extracting Vibratory Hammer	1	4	4/21/2020	4/28/2020	6
			Other Construction Equipment	1	4	4/21/2020	4/28/2020	6
			Other Material Handling Equipment	1	4	4/21/2020	4/28/2020	6
	Construction	5	Cranes	1	4	4/28/2020	5/22/2020	19
			Forklifts	1	4	4/28/2020	5/22/2020	19
			Other Construction Equipment	1	4	4/28/2020	5/22/2020	19
			Other Material Handling Equipment	1	4	4/28/2020	5/22/2020	19
	Pile Driving		Pile Driving Hammer	1	4	4/28/2020	4/29/2020	2
Central Tool Room Replacement						6/1/2024	12/31/2024	152
Central Tool Room Replacement	Demolition	13	Cranes	1	4	6/1/2024	6/22/2024	15
			Forklifts	2	6	6/1/2024	6/22/2024	15
			Other Construction Equipment	2	6	6/1/2024	6/22/2024	15
			Other Material Handling Equipment	2	6	6/1/2024	6/22/2024	15
			Tractor/Loader/Backhoe	1	4	6/1/2024	6/22/2024	15
			Welders	2	4	6/1/2024	6/22/2024	15
	Construction	13	Cranes	1	6	6/22/2024	12/31/2024	137
			Forklifts	2	6	6/22/2024	12/31/2024	137
			Other Construction Equipment	2	6	6/22/2024	12/31/2024	137
			Other Material Handling Equipment	2	6	6/22/2024	12/31/2024	137
			Tractor/Loader/Backhoe	1	4	6/22/2024	12/31/2024	137
			Welders	2	4	6/22/2024	12/31/2024	137
New Production Building						10/14/2022	7/21/2023	201
New Production Building	Demolition	16	Cranes	1	4	10/14/2022	10/21/2022	6
			Forklifts	2	6	10/14/2022	10/21/2022	6
			Other Construction Equipment	2	6	10/14/2022	10/21/2022	6
			Other Material Handling Equipment	2	6	10/14/2022	10/21/2022	6
			Tractor/Loader/Backhoe	1	4	10/14/2022	10/21/2022	6
			Welders	2	4	10/14/2022	10/21/2022	6
	Construction	16	Cranes	1	6	10/21/2022	7/21/2023	196
			Forklifts	2	6	10/21/2022	7/21/2023	196
			Other Construction Equipment	2	6	10/21/2022	7/21/2023	196
			Other Material Handling Equipment	2	6	10/21/2022	7/21/2023	196
			Tractor/Loader/Backhoe	1	4	10/21/2022	7/21/2023	196
			Welders	2	4	10/21/2022	7/21/2023	196
Administrative Office Building						8/1/2023	5/14/2024	206
Administrative Office Building	Demolition	16	Cranes	1	4	8/1/2023	9/12/2023	31
			Forklifts	2	6	8/1/2023	9/12/2023	31
			Other Construction Equipment	2	6	8/1/2023	9/12/2023	31
			Other Material Handling Equipment	2	6	8/1/2023	9/12/2023	31
			Tractor/Loader/Backhoe	1	4	8/1/2023	9/12/2023	31
			Welders	2	4	8/1/2023	9/12/2023	31
	Construction	16	Cranes	1	6	9/12/2023	5/14/2024	176
			Forklifts	2	6	9/12/2023	5/14/2024	176
			Other Construction Equipment	2	6	9/12/2023	5/14/2024	176
			Other Material Handling Equipment	2	6	9/12/2023	5/14/2024	176
			Tractor/Loader/Backhoe	1	4	9/12/2023	5/14/2024	176
			Welders	2	4	9/12/2023	5/14/2024	176
Pier 1 Restroom Reconstruction/Renovation						3/1/2024	4/1/2024	22
Pier 1 Restroom Reconstruction/Renovation	Demolition	10	Cranes	1	4	3/1/2024	4/1/2024	22
			Forklifts	1	6	3/1/2024	4/1/2024	22
			Other Construction Equipment	1	6	3/1/2024	4/1/2024	22
			Other Material Handling Equipment	1	6	3/1/2024	4/1/2024	22

Attachment 1
BAE Construction Modeling Details pg 4

Project Element	Phase	Workers/Day	Equipment	Number of Pieces Used	Hours per day	Start Date	End Date	Working Days
Main Electrical Utility Service Upgrade						11/8/2021	2/23/2022	78
Main Electrical Utility Service Upgrade	Demolition	5	Forklifts	1	6	11/8/2021	12/13/2021	26
			Other Construction Equipment	1	6	11/8/2021	12/13/2021	26
			Other Material Handling Equipment	1	6	11/8/2021	12/13/2021	26
			Tractor/Loader/Backhoe	1	4	11/8/2021	12/13/2021	26
	Construction	5	Forklifts	1	6	12/13/2021	2/23/2022	53
			Other Construction Equipment	1	6	12/13/2021	2/23/2022	53
			Other Material Handling Equipment	1	6	12/13/2021	2/23/2022	53
			Tractor/Loader/Backhoe	1	4	12/13/2021	2/23/2022	53
Sanitary and Potable Water Utility Service Upgrade						3/1/2022	5/31/2022	66
Sanitary and Potable Water Utility Service Upgrade	Demolition	3	Forklifts	1	6	3/1/2022	3/22/2022	16
			Other Construction Equipment	1	6	3/1/2022	3/22/2022	16
			Other Material Handling Equipment	1	6	3/1/2022	3/22/2022	16
			Tractor/Loader/Backhoe	1	4	3/1/2022	3/22/2022	16
	Construction	3	Forklifts	1	6	3/22/2022	5/31/2022	51
			Other Construction Equipment	1	6	3/22/2022	5/31/2022	51
			Other Material Handling Equipment	1	6	3/22/2022	5/31/2022	51
			Tractor/Loader/Backhoe	1	4	3/22/2022	5/31/2022	51

Attachment 1
BAE Construction Vessel Activity

BAE Construction - Marine Sources - 50/50 Scenario

Project Element	Phase		Equipment	Number of Pieces Used	Hours per day		Days
					Main	Aux	
PE1 - Pride of San Diego (POSD) Drydock Dredging and Moorage	Dredge Sump at New Layout / Alignment	Trenching (Dredging)	Dredge	1	4	18	38
			Scow/Barge	3	0	1	38
			Tug Boat (Ocean)	1	7.5	16.5	38
			Survey Vessel	1	2	6	38
	Demolish Existing Dolphin Structures	Demolition	Tug boat (small push knee)	1	2	4	23
	Construct New Dolphin Structures	Construction	Tug boat (small push knee)	1	1	2	37
PE2 - Pride of San Diego (POSD) Wharf Replacement and Realignment	POSD Wharf Replacement/Realignment	Demolition	Tug boat (small push knee)	1	1	2	23
		Construction	Tug boat (small push knee)	1	1	2	41
PE4 - Pier 3 South Nearshore Dredging	Pier 3 Near Shore Dredging	Trenching (Dredging)	Dredge	1	4	18	69
			Scow/Barge	2	0	1	3
			Tug boat (small push knee)	1	2	4	69
			Tug Boat (Ocean)	1	5	11	3
			Survey Vessel	1	2	6	69
PE5 - Pier 3 Mooring Dolphin	Pier 3 Mooring Dolphin	Construction	Matl Barge	1	-	-	32
			Tug boat (small push knee)	1	1	2	69
PE6 - Pier 3 North Lunchroom Wharf Replacement and Realignment	Pier 3 North Lunchroom Wharf Replacement Demolition	Demolition	Tug boat (small push knee)	1	1	2	11
	Pier 3 North Lunchroom Wharf Replacement Construction	Construction	Tug boat (small push knee)	1	1	2	69
PE7 - Quay Wall Modifications	Quay Wall Modifications (Dredging/Rock Removal)	Excavation	Tug boat (small push knee)	1	2	4	14
			Survey Vessel	1	1	2	14
	Quay Wall Modifications (Pile Driving Op)	Construction	Tug boat (small push knee)	1	1	2	14
PE8 - Port Security Barrier Replacement	Port Security Barrier (PSB) Replacement	Demolition	Tug boat (small push knee)	1	4	8	11
		Construction	Tug boat (small push knee)	1	2	4	35
PE3 - Fender System Repair and Replacement	Fender Repair and Replacement	Construction	Tug boat (small push knee)	1	2	4	23
	Fender System New Construction	Construction	Tug boat (small push knee)	1	2	4	23
	Fender System Maintenance & Replacement	Construction	Tug boat (small push knee)	1	2	4	35

BAE Construction - Marine Sources - All Truck Scenario

Project Element	Phase		Equipment	Number of Pieces Used	Hours per day		Days
					Main	Aux	
PE1 - Pride of San Diego (POSD) Drydock Dredging and Moorage	Dredge Sump at New Layout / Alignment	Trenching (Dredging)	Dredge	1	4	18	38
			Scow/Barge	3	0	1	38
			Tug Boat (Ocean)	1	7.5	16.5	38
			Survey Vessel	1	2	6	38
	Demolish Existing Dolphin Structures	Demolition	Tug boat (small push knee)	1	2	4	23
	Construct New Dolphin Structures	Construction	Tug boat (small push knee)	1	1	2	37
PE2 - Pride of San Diego (POSD) Wharf Replacement and Realignment	POSD Wharf Replacement/Realignment	Demolition	Tug boat (small push knee)	1	1	2	23
		Construction	Tug boat (small push knee)	1	1	2	41
PE4 - Pier 3 South Nearshore Dredging	Pier 3 Near Shore Dredging	Trenching (Dredging)	Dredge	1	4	18	69
			Scow/Barge	0	0	0	3
			Tug boat (small push knee)	1	2	4	69
			Tug Boat (Ocean)	0	0	0	3
			Survey Vessel	1	2	6	69
PE5 - Pier 3 Mooring Dolphin	Pier 3 Mooring Dolphin	Construction	Matl Barge	1	-	-	32
			Tug boat (small push knee)	1	1	2	69
PE6 - Pier 3 North Lunchroom Wharf Replacement and Realignment	Pier 3 North Lunchroom Wharf Replacement Demolition	Demolition	Tug boat (small push knee)	1	1	2	11
	Pier 3 North Lunchroom Wharf Replacement Construction	Construction	Tug boat (small push knee)	1	1	2	69
PE7 - Quay Wall Modifications	Quay Wall Modifications (Dredging/Rock Removal)	Excavation	Tug boat (small push knee)	1	2	4	14
			Survey Vessel	1	1	2	14
	Quay Wall Modifications (Pile Driving Op)	Construction	Tug boat (small push knee)	1	1	2	14
PE8 - Port Security Barrier Replacement	Port Security Barrier (PSB) Replacement	Demolition	Tug boat (small push knee)	1	4	8	11
		Construction	Tug boat (small push knee)	1	2	4	35
PE3 - Fender System Repair and Replacement	Fender Repair and Replacement	Construction	Tug boat (small push knee)	1	2	4	23
	Fender System New Construction	Construction	Tug boat (small push knee)	1	2	4	23
	Fender System Maintenance & Replacement	Construction	Tug boat (small push knee)	1	2	4	35

denotes change between 50/50 and all truck - no tug and scow needed for all truck

Attachment 1
BAE Construction Modeling Details pg 1

Project Element	Phase	Workers/Day	Equipment	Number of Pieces Used	Hours per day	Start Date	End Date	Working Days
Pride of San Diego Dry Dock Dredging						6/22/2020	9/30/2020	83
Dredge Sump at New Layout / Alignment	Trenching (Dredging)	12	Dredge	1	18	7/6/2020	8/13/2020	38
			Scow/Barge	3	2	7/6/2020	8/13/2020	38
			Tug Boat (Ocean-Going)	1	2	7/6/2020	8/13/2020	38
			Survey Vessel	1	2	7/6/2020	8/13/2020	38
			Tractor/Loader/Backhoe	2	10	7/23/2020	8/4/2020	12
Demolish Existing Dolphin Structures	Demolition	12	Cranes	1	8	6/22/2020	7/22/2020	23
			Forklifts	1	6	6/22/2020	7/22/2020	23
			Other Construction Equipment	2	6	6/22/2020	7/22/2020	23
			Tug Boat (Small Push Knee)	1 (shared)	4	6/22/2020	7/22/2020	23
			Other Material Handling Equipment	2	6	6/22/2020	7/22/2020	23
			Welders	2	4	6/22/2020	7/22/2020	23
			Generators	1	4	6/22/2020	7/22/2020	23
Construct New Dolphin Structures	Construction	12	Cranes	1	8	8/11/2020	9/30/2020	37
			Forklifts	1	6	8/11/2020	9/30/2020	37
			Tug Boat (Small Push Knee)	1 (shared)	1	8/11/2020	9/30/2020	37
			Other Construction Equipment	2	6	8/11/2020	9/30/2020	37
			Other Material Handling Equipment	2	6	8/11/2020	9/30/2020	37
			Welders	2	4	8/11/2020	9/30/2020	37
			Generators	1	4	8/11/2020	9/30/2020	37
Pile Driving	Construction		Pile Driving Hammer	1	4	8/11/2020	8/21/2020	9
Pride of San Diego Wharf Replacement						6/1/2020	9/29/2020	64
POSD Wharf Replacement/Realignment	Demolition	13	Cranes	1	8	6/1/2020	7/1/2020	23
			Forklifts	1	6	6/1/2020	7/1/2020	23
			Other Construction Equipment	2	6	6/1/2020	7/1/2020	23
			Tug Boat (Small Push Knee)	1 (shared)	1	6/1/2020	7/1/2020	23
			Other Material Handling Equipment	2	6	6/1/2020	7/1/2020	23
			Welders	2	4	6/1/2020	7/1/2020	23
			Generators	1	4	6/1/2020	7/1/2020	23
	Construction	13	Cranes	1	8	8/4/2020	9/29/2020	41
			Forklifts	2	6	8/4/2020	9/29/2020	41
			Other Construction Equipment	2	6	8/4/2020	9/29/2020	41
			Tug Boat (Small Push Knee)	1 (shared)	1	8/4/2020	9/29/2020	41
			Other Material Handling Equipment	2	6	8/4/2020	9/29/2020	41
			Welders	2	4	8/4/2020	9/29/2020	41
			Generators	1	4	8/4/2020	9/29/2020	41
	Pile Driving		Pile Driving Hammer	1	4	8/4/2020	8/19/2020	12
Fender System Repair and Replacement						3/24/2020	5/21/2021	52
Fender System Repair and Replacement	Replacement	6	Cranes	1	8	3/24/2020	4/17/2020	19
			Forklifts	1	6	3/24/2020	4/17/2020	19
			Pile Extracting & Driving Vibratory Hammer	1	8	3/24/2020	4/17/2020	19
			Other Construction Equipment	1	6	3/24/2020	4/17/2020	19
			Other Material Handling Equipment	1	6	3/24/2020	4/17/2020	19
			Tug Boat (Small Push Knee)	1	4	3/24/2020	4/17/2020	19
	New Construction	6	Cranes	1	8	11/6/2020	12/22/2020	33
			Forklifts	2	6	11/6/2020	12/22/2020	33
			Pile Driving Vibratory Hammer	1	5	11/6/2020	12/22/2020	33
			Other Construction Equipment	2	6	11/6/2020	12/22/2020	33
			Other Material Handling Equipment	2	6	11/6/2020	12/22/2020	33
			Tug Boat (Small Push Knee)	1	4	11/6/2020	12/22/2020	33
	Maintenance/Replacement	6	Cranes	1	8	4/5/2021	5/21/2021	35
			Forklifts	2	6	4/5/2021	5/21/2021	35
			Pile Extracting & Driving Vibratory Hammer	1	3	4/5/2021	5/21/2021	35
			Other Construction Equipment	2	6	4/5/2021	5/21/2021	35
			Other Material Handling Equipment	2	6	4/5/2021	5/21/2021	35
			Tug Boat (Small Push Knee)	1	4	4/5/2021	5/21/2021	35

Attachment 1
BAE Construction Modeling Details pg 2

Project Element	Phase	Workers/Day	Equipment	Number of Pieces Used	Hours per day	Start Date	End Date	Working Days
Pier 3 Near Shore Dredging						6/1/2022	8/9/2022	69
Pier 3 Near Shore Dredging	Trenching (Dredging)	10	Dredge	1	18	6/1/2022	8/9/2022	69
			Scow/Barge	2	2	6/1/2022	8/9/2022	69
			Tug Boat (small push knee)	1	4	6/1/2022	8/9/2022	69
			Survey Vessel	1	2	6/1/2022	8/9/2022	69
			Tractor/Loader/Backhoe	2	12	6/1/2022	8/9/2022	69
Pier 3 Mooring Dolphin						8/10/2022	9/22/2022	32
Pier 3 Mooring Dolphin	Construction	5	Cranes	1	8	8/10/2022	9/22/2022	32
			Matl Barge	1	0	8/10/2022	9/22/2022	32
			Tug Boat (small push knee)	1	1	8/10/2022	9/22/2022	32
			Other Construction Equipment	1	6	8/10/2022	9/22/2022	32
			Other Material Handling Equipment	1	6	8/10/2022	9/22/2022	32
	Pile Driving		Pile Driving Hammer	1	4	8/10/2022	8/13/2022	3
Pier 3 Lunchroom Wharf Replacement						6/14/2021	9/30/2021	79
Pier 3 Lunchroom Wharf Replacement	Demolition	7	Cranes	1	8	6/14/2021	6/30/2021	13
			Forklifts	1	6	6/14/2021	6/30/2021	13
			Other Construction Equipment	2	6	6/14/2021	6/30/2021	13
			Tug boat (small push knee)	1	1	6/14/2021	6/30/2021	13
			Other Material Handling Equipment	2	6	6/14/2021	6/30/2021	13
			Welders	2	4	6/14/2021	6/30/2021	13
			Generators	1	4	6/14/2021	6/30/2021	13
			Tractor/Loader/Backhoe	2	10	6/14/2021	6/30/2021	13
	Construction	7	Cranes	1	8	6/30/2021	9/30/2021	67
			Forklifts	1	6	6/30/2021	9/30/2021	67
			Other Construction Equipment	2	6	6/30/2021	9/30/2021	67
			Tug boat (small push knee)	1	1	6/30/2021	9/30/2021	67
			Other Material Handling Equipment	2	6	6/30/2021	9/30/2021	67
			Welders	2	4	6/30/2021	9/30/2021	67
			Generators	1	4	6/30/2021	9/30/2021	67
	Pile Driving		Pile Driving Hammer	1	4	6/28/2021	7/13/2021	12
Quay Wall Modifications at South End Property						10/5/2020	11/5/2020	24
Quay Wall Modifications at South End Property	Excavation (Trenching)	10	Cranes	1	8	10/19/2020	11/5/2020	14
			Barge (NOT REQ'D)		N/A	10/19/2020	11/5/2020	14
			Tug boat (small push knee)	1	2	10/19/2020	11/5/2020	14
			Survey Vessel	1	1	10/19/2020	11/5/2020	14
			Tractor/Loader/Backhoe	2	8	10/19/2020	11/5/2020	14
	Construction	10	Cranes	1	8	10/5/2020	10/19/2020	11
			Forklifts	1	6	10/5/2020	10/19/2020	11
			Other Construction Equipment	2	6	10/5/2020	10/19/2020	11
			Tug boat (small push knee)	1	1	10/5/2020	10/19/2020	11
			Pile Driving Vibratory Hammer	1	6	10/5/2020	10/19/2020	11
			Other Material Handling Equipment	2	6	10/5/2020	10/19/2020	11
			Welders	2	4	10/5/2020	10/19/2020	11
			Generators	1	4	10/5/2020	10/19/2020	11
Port Security Barrier (PSB) Replacement						2/1/2021	4/2/2021	45
Port Security Barrier (PSB) Replacement	Demolition	6	Cranes	1	8	2/1/2021	2/15/2021	11
			Tug Boat (small push knee)	1	4	2/1/2021	2/15/2021	11
			Other Construction Equipment	1	6	2/1/2021	2/15/2021	11
			Other Material Handling Equipment	1	6	2/1/2021	2/15/2021	11
	Construction	6	Cranes	1	8	2/15/2021	4/2/2021	35
			Tug Boat (small push knee)	1	2	2/15/2021	4/2/2021	35
			Other Construction Equipment	1	6	2/15/2021	4/2/2021	35
			Other Material Handling Equipment	1	6	2/15/2021	4/2/2021	35

Attachment 1
BAE Construction Modeling Details pg 3

Project Element	Phase	Workers/Day	Equipment	Number of Pieces Used	Hours per day	Start Date	End Date	Working Days
Small Boat Mooring Float Replacement						4/21/2020	5/22/2020	24
Small Boat Mooring Float Replacement	Demolition	5	Cranes	1	4	4/21/2020	4/28/2020	6
			Forklifts	1	4	4/21/2020	4/28/2020	6
			Pile Extracting Vibratory Hammer	1	4	4/21/2020	4/28/2020	6
			Other Construction Equipment	1	4	4/21/2020	4/28/2020	6
			Other Material Handling Equipment	1	4	4/21/2020	4/28/2020	6
	Construction	5	Cranes	1	4	4/28/2020	5/22/2020	19
			Forklifts	1	4	4/28/2020	5/22/2020	19
			Other Construction Equipment	1	4	4/28/2020	5/22/2020	19
			Other Material Handling Equipment	1	4	4/28/2020	5/22/2020	19
	Pile Driving		Pile Driving Hammer	1	4	4/28/2020	4/29/2020	2
Central Tool Room Replacement						6/1/2024	12/31/2024	152
Central Tool Room Replacement	Demolition	13	Cranes	1	4	6/1/2024	6/22/2024	15
			Forklifts	2	6	6/1/2024	6/22/2024	15
			Other Construction Equipment	2	6	6/1/2024	6/22/2024	15
			Other Material Handling Equipment	2	6	6/1/2024	6/22/2024	15
			Tractor/Loader/Backhoe	1	4	6/1/2024	6/22/2024	15
			Welders	2	4	6/1/2024	6/22/2024	15
	Construction	13	Cranes	1	6	6/22/2024	12/31/2024	137
			Forklifts	2	6	6/22/2024	12/31/2024	137
			Other Construction Equipment	2	6	6/22/2024	12/31/2024	137
			Other Material Handling Equipment	2	6	6/22/2024	12/31/2024	137
			Tractor/Loader/Backhoe	1	4	6/22/2024	12/31/2024	137
			Welders	2	4	6/22/2024	12/31/2024	137
New Production Building						10/14/2022	7/21/2023	201
New Production Building	Demolition	16	Cranes	1	4	10/14/2022	10/21/2022	6
			Forklifts	2	6	10/14/2022	10/21/2022	6
			Other Construction Equipment	2	6	10/14/2022	10/21/2022	6
			Other Material Handling Equipment	2	6	10/14/2022	10/21/2022	6
			Tractor/Loader/Backhoe	1	4	10/14/2022	10/21/2022	6
			Welders	2	4	10/14/2022	10/21/2022	6
	Construction	16	Cranes	1	6	10/21/2022	7/21/2023	196
			Forklifts	2	6	10/21/2022	7/21/2023	196
			Other Construction Equipment	2	6	10/21/2022	7/21/2023	196
			Other Material Handling Equipment	2	6	10/21/2022	7/21/2023	196
			Tractor/Loader/Backhoe	1	4	10/21/2022	7/21/2023	196
			Welders	2	4	10/21/2022	7/21/2023	196
Administrative Office Building						8/1/2023	5/14/2024	206
Administrative Office Building	Demolition	16	Cranes	1	4	8/1/2023	9/12/2023	31
			Forklifts	2	6	8/1/2023	9/12/2023	31
			Other Construction Equipment	2	6	8/1/2023	9/12/2023	31
			Other Material Handling Equipment	2	6	8/1/2023	9/12/2023	31
			Tractor/Loader/Backhoe	1	4	8/1/2023	9/12/2023	31
			Welders	2	4	8/1/2023	9/12/2023	31
	Construction	16	Cranes	1	6	9/12/2023	5/14/2024	176
			Forklifts	2	6	9/12/2023	5/14/2024	176
			Other Construction Equipment	2	6	9/12/2023	5/14/2024	176
			Other Material Handling Equipment	2	6	9/12/2023	5/14/2024	176
			Tractor/Loader/Backhoe	1	4	9/12/2023	5/14/2024	176
			Welders	2	4	9/12/2023	5/14/2024	176
Pier 1 Restroom Reconstruction/Renovation						3/1/2024	4/1/2024	22
Pier 1 Restroom Reconstruction/Renovation	Demolition	10	Cranes	1	4	3/1/2024	4/1/2024	22
			Forklifts	1	6	3/1/2024	4/1/2024	22
			Other Construction Equipment	1	6	3/1/2024	4/1/2024	22
			Other Material Handling Equipment	1	6	3/1/2024	4/1/2024	22

Attachment 1
BAE Construction Modeling Details pg 4

Project Element	Phase	Workers/Day	Equipment	Number of Pieces Used	Hours per day	Start Date	End Date	Working Days
Main Electrical Utility Service Upgrade						11/8/2021	2/23/2022	78
Main Electrical Utility Service Upgrade	Demolition	5	Forklifts	1	6	11/8/2021	12/13/2021	26
			Other Construction Equipment	1	6	11/8/2021	12/13/2021	26
			Other Material Handling Equipment	1	6	11/8/2021	12/13/2021	26
			Tractor/Loader/Backhoe	1	4	11/8/2021	12/13/2021	26
	Construction	5	Forklifts	1	6	12/13/2021	2/23/2022	53
			Other Construction Equipment	1	6	12/13/2021	2/23/2022	53
			Other Material Handling Equipment	1	6	12/13/2021	2/23/2022	53
			Tractor/Loader/Backhoe	1	4	12/13/2021	2/23/2022	53
Sanitary and Potable Water Utility Service Upgrade						3/1/2022	5/31/2022	66
Sanitary and Potable Water Utility Service Upgrade	Demolition	3	Forklifts	1	6	3/1/2022	3/22/2022	16
			Other Construction Equipment	1	6	3/1/2022	3/22/2022	16
			Other Material Handling Equipment	1	6	3/1/2022	3/22/2022	16
			Tractor/Loader/Backhoe	1	4	3/1/2022	3/22/2022	16
	Construction	3	Forklifts	1	6	3/22/2022	5/31/2022	51
			Other Construction Equipment	1	6	3/22/2022	5/31/2022	51
			Other Material Handling Equipment	1	6	3/22/2022	5/31/2022	51
			Tractor/Loader/Backhoe	1	4	3/22/2022	5/31/2022	51

Attachment 1
BAE Construction Vessel Activity

BAE Construction - Marine Sources - 50/50 Scenario

Project Element	Phase		Equipment	Number of Pieces Used	Hours per day		Days
					Main	Aux	
PE1 - Pride of San Diego (POSD) Drydock Dredging and Moorage	Dredge Sump at New Layout / Alignment	Trenching (Dredging)	Dredge	1	4	18	38
			Scow/Barge	3	0	1	38
			Tug Boat (Ocean)	1	7.5	16.5	38
			Survey Vessel	1	2	6	38
	Demolish Existing Dolphin Structures	Demolition	Tug boat (small push knee)	1	2	4	23
	Construct New Dolphin Structures	Construction	Tug boat (small push knee)	1	1	2	37
PE2 - Pride of San Diego (POSD) Wharf Replacement and Realignment	POSD Wharf Replacement/Realignment	Demolition	Tug boat (small push knee)	1	1	2	23
		Construction	Tug boat (small push knee)	1	1	2	41
PE4 - Pier 3 South Nearshore Dredging	Pier 3 Near Shore Dredging	Trenching (Dredging)	Dredge	1	4	18	69
			Scow/Barge	2	0	1	3
			Tug boat (small push knee)	1	2	4	69
			Tug Boat (Ocean)	1	5	11	3
			Survey Vessel	1	2	6	69
PE5 - Pier 3 Mooring Dolphin	Pier 3 Mooring Dolphin	Construction	Matl Barge	1	-	-	32
			Tug boat (small push knee)	1	1	2	69
PE6 - Pier 3 North Lunchroom Wharf Replacement and Realignment	Pier 3 North Lunchroom Wharf Replacement Demolition	Demolition	Tug boat (small push knee)	1	1	2	11
	Pier 3 North Lunchroom Wharf Replacement Construction	Construction	Tug boat (small push knee)	1	1	2	69
PE7 - Quay Wall Modifications	Quay Wall Modifications (Dredging/Rock Removal)	Excavation	Tug boat (small push knee)	1	2	4	14
			Survey Vessel	1	1	2	14
	Quay Wall Modifications (Pile Driving Op)	Construction	Tug boat (small push knee)	1	1	2	14
PE8 - Port Security Barrier Replacement	Port Security Barrier (PSB) Replacement	Demolition	Tug boat (small push knee)	1	4	8	11
		Construction	Tug boat (small push knee)	1	2	4	35
PE3 - Fender System Repair and Replacement	Fender Repair and Replacement	Construction	Tug boat (small push knee)	1	2	4	23
	Fender System New Construction	Construction	Tug boat (small push knee)	1	2	4	23
	Fender System Maintenance & Replacement	Construction	Tug boat (small push knee)	1	2	4	35

BAE Construction - Marine Sources - All Truck Scenario

Project Element	Phase		Equipment	Number of Pieces Used	Hours per day		Days
					Main	Aux	
PE1 - Pride of San Diego (POSD) Drydock Dredging and Moorage	Dredge Sump at New Layout / Alignment	Trenching (Dredging)	Dredge	1	4	18	38
			Scow/Barge	3	0	1	38
			Tug Boat (Ocean)	1	7.5	16.5	38
			Survey Vessel	1	2	6	38
	Demolish Existing Dolphin Structures	Demolition	Tug boat (small push knee)	1	2	4	23
	Construct New Dolphin Structures	Construction	Tug boat (small push knee)	1	1	2	37
PE2 - Pride of San Diego (POSD) Wharf Replacement and Realignment	POSD Wharf Replacement/Realignment	Demolition	Tug boat (small push knee)	1	1	2	23
		Construction	Tug boat (small push knee)	1	1	2	41
PE4 - Pier 3 South Nearshore Dredging	Pier 3 Near Shore Dredging	Trenching (Dredging)	Dredge	1	4	18	69
			Scow/Barge	0	0	0	3
			Tug boat (small push knee)	1	2	4	69
			Tug Boat (Ocean)	0	0	0	3
			Survey Vessel	1	2	6	69
PE5 - Pier 3 Mooring Dolphin	Pier 3 Mooring Dolphin	Construction	Matl Barge	1	-	-	32
			Tug boat (small push knee)	1	1	2	69
PE6 - Pier 3 North Lunchroom Wharf Replacement and Realignment	Pier 3 North Lunchroom Wharf Replacement Demolition	Demolition	Tug boat (small push knee)	1	1	2	11
	Pier 3 North Lunchroom Wharf Replacement Construction	Construction	Tug boat (small push knee)	1	1	2	69
PE7 - Quay Wall Modifications	Quay Wall Modifications (Dredging/Rock Removal)	Excavation	Tug boat (small push knee)	1	2	4	14
			Survey Vessel	1	1	2	14
	Quay Wall Modifications (Pile Driving Op)	Construction	Tug boat (small push knee)	1	1	2	14
PE8 - Port Security Barrier Replacement	Port Security Barrier (PSB) Replacement	Demolition	Tug boat (small push knee)	1	4	8	11
		Construction	Tug boat (small push knee)	1	2	4	35
PE3 - Fender System Repair and Replacement	Fender Repair and Replacement	Construction	Tug boat (small push knee)	1	2	4	23
	Fender System New Construction	Construction	Tug boat (small push knee)	1	2	4	23
	Fender System Maintenance & Replacement	Construction	Tug boat (small push knee)	1	2	4	35

denotes change between 50/50 and all truck - no tug and scow needed for all truck

Attachment 2

Air Quality and Greenhouse Gas

Modeling Outputs

Construction

Modeling Outputs

Construction Schedule

Phase	Description	Activity	Code	Start Date	End Date	Working Days	Days/Week	2020	2021	2022	2023	2024
1	Pride of San Diego Drydock Dredging and Moorage Replacement		Phase1	6/22/2020	9/30/2020	83	5/7	**83**				
1	Pride of San Diego Drydock Dredging	Trenching (Dredging)	Phase1a	7/6/2020	8/13/2020	38	7	38				
1	Pride of San Diego Drydock Dredging (Material Offload and Upland Disposal)	Trenching (Dredging)	Phase1b	7/23/2020	8/4/2020	12	7	12				
1	Pride of San Diego Drydock Dolphin Demolition	Demolition	Phase1c	6/22/2020	7/22/2020	23	5	23				
1	Pride of San Diego Drydock Dolphin Construction	Building (Construction)	Phase1d	8/11/2020	9/30/2020	37	5	37				
1	Pride of San Diego Drydock Dolphin Construction (Pile Driving Op)	Construction (Pile Driving)	Phase1e	8/11/2020	8/21/2020	9	5	9				
2	Pride of San Diego Drydock Wharf Replacement and Realignment		Phase2	6/1/2020	9/29/2020	64	5	64				
2	Pride of San Diego Drydock Wharf Demolition	Demolition	Phase2a	6/1/2020	7/1/2020	23	5	23				
2	Pride of San Diego Drydock Wharf Construction	Building (Construction)	Phase2b	8/4/2020	9/29/2020	41	5	41				
2	Pride of San Diego Drydock Wharf Construction (Pile Driving Op)	Construction (Pile Driving)	Phase2c	8/4/2020	8/19/2020	12	5	12				
3	Fender System Repair and Replacement		Phase3	3/24/2020	5/21/2021	52	5	52				
3	Fender Repair and Replacement	Building (Construction)	Phase3a	3/24/2020	4/17/2020	19	5	19				
3	Fender System New Construction	Building (Construction)	Phase3b	11/6/2020	12/22/2020	33	5	33				
3	Fender System Maintenance & Replacement	Building (Construction)	Phase3c	4/5/2021	5/21/2021	35	5		35			
4	Pier 3 South Nearshore Dredging		Phase4	6/1/2022	8/9/2022	69	7			69		
4	Pier 3 South Nearshore Dredging	Trenching (Dredging)	Phase4a	6/1/2022	8/9/2022	69	7			69		
5	Pier 3 Mooring Dolphin		Phase5	8/10/2022	9/22/2022	32	5			32		
5	Pier 3 Mooring Dolphin Construction	Building (Construction)	Phase5a	8/10/2022	9/22/2022	32	5			32		
5	Pier 3 Mooring Dolphin Construction (Pile Driving Op)	Construction (Pile Driving)	Phase5b	8/10/2022	8/13/2022	3	5			3		
6	Pier 3 Lunchroom Wharf Replacement and Realignment		Phase6	6/14/2021	9/30/2021	79	5		79			
6	Pier 3 North Lunchroom Wharf Replacement Demolition	Demolition	Phase6a	6/14/2021	6/30/2021	13	5		13			
6	Pier 3 North Lunchroom Wharf Replacement Construction	Building (Construction)	Phase6b	6/30/2021	9/30/2021	67	5		67			
6	Pier 3 North Lunchroom Wharf Replacement Construction (Pile Driving Op)	Construction (Pile Driving)	Phase6c	6/28/2021	7/13/2021	12	5		12			
7	Quay Wall Modifications		Phase7	10/5/2020	11/5/2020	24	5	24				
7	Quay Wall Modifications (Dredging/Rock Removal)	Trenching (Dredging)	Phase7a	10/19/2020	11/5/2020	14	5	14				
7	Quay Wall Modifications (Pile Driving Op)	Construction (Pile Driving)	Phase7b	10/5/2020	10/19/2020	11	5	11				
8	Port Security Barrier Replacement		Phase8	2/1/2021	4/2/2021	45	5		45			
8	Port Security Barrier Demolition	Demolition	Phase8a	2/1/2021	2/15/2021	11	5		11			
8	Port Security Barrier Construction	Building (Construction)	Phase8b	2/15/2021	4/2/2021	35	5		35			
9	Small Boat Mooring Float Replacement		Phase9	4/21/2020	5/22/2020	24	5	24				
9	Small Boat Mooring Float Replacement Demolition	Demolition	Phase9a	4/21/2020	4/28/2020	6	5	6				
9	Small Boat Mooring Float Replacement Construction	Building (Construction)	Phase9b	4/28/2020	5/22/2020	19	5	19				
9	Small Boat Mooring Float Replacement Construction (Pile Driving Op)	Construction (Pile Driving)	Phase9c	4/28/2020	4/29/2020	2	5	2				
10	Central Tool Room Demolition and Replacement		Phase10	6/1/2024	12/31/2024	152	5					152
10	Central Tool Room Demolition and Reconstruction Demolition	Demolition	Phase10a	6/1/2024	6/22/2024	15	5					15
10	Central Tool Room Demolition and Reconstruction Construction	Building (Construction)	Phase10b	6/22/2024	12/31/2024	137	5					137
11	New Production Building		Phase11	10/14/2022	7/21/2023	201	5			56	145	
11	New Production Building Demolition	Demolition	Phase11a	10/14/2022	10/21/2022	6	5			6		
11	New Production Building Construction	Building (Construction)	Phase11b	10/21/2022	7/21/2023	196	5			51	145	
12	Administration Office Building		Phase12	8/1/2023	5/14/2024	206	5				109	97
12	Administrative Office Building Demolition	Demolition	Phase12a	8/1/2023	9/12/2023	31	5				31	
12	Administrative Office Building Construction	Building (Construction)	Phase12b	9/12/2023	5/14/2024	176	5				79	97
13	Pier 1 Restroom Renovation and/or Demolition		Phase13	3/1/2024	4/1/2024	22	5					22
13	Pier 1 Restroom Renovation and/or Demolition	Demolition	Phase13a	3/1/2024	4/1/2024	22	5					22
14	Main Electrical Utility Service Update		Phase14	11/8/2021	2/23/2022	78	5		78			
14	Main Electrical Utility Service Update Demolition	Demolition	Phase14a	11/8/2021	12/13/2021	26	5		26			
14	Main Electrical Utility Service Update Construction	Building (Construction)	Phase14b	12/13/2021	2/23/2022	53	5		15	38		
15	Sanitary Sewer and Potable Water Utility Services		Phase15	3/1/2022	5/31/2022	66	5			66		
15	Sanitary Sewer and Potable Water Utility Services Demolition	Demolition	Phase15a	3/1/2022	3/22/2022	16	5			16		
15	Sanitary Sewer and Potable Water Utility Services Construction	Building (Construction)	Phase15b	3/22/2022	5/31/2022	51	5			51		

Construction Equipment Emission Factors - CY 2020

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Excavators	2020	250	0.18	2.03	1.12	0.06	0.06	0.01	471.88	0.15	0.01
Excavators	2020	500	0.15	1.57	1.10	0.05	0.05	0.01	470.30	0.15	0.01
Excavators	2020	750	0.17	1.80	1.15	0.06	0.06	0.01	468.87	0.15	0.01
Forklifts	2020	50	1.12	4.69	5.71	0.36	0.33	0.01	525.48	0.17	0.01
Forklifts	2020	120	0.46	4.13	3.76	0.31	0.28	0.01	471.53	0.15	0.01
Forklifts	2020	175	0.34	3.32	3.25	0.18	0.17	0.01	472.11	0.15	0.01
Forklifts	2020	250	0.29	3.24	1.44	0.13	0.12	0.01	473.33	0.15	0.01
Forklifts	2020	500	0.25	2.44	1.48	0.10	0.09	0.01	473.62	0.15	0.01
Generator Sets	2020	15	0.65	4.52	3.55	0.21	0.21	0.01	568.30	0.06	0.01
Generator Sets	2020	25	0.72	4.54	2.47	0.21	0.21	0.01	568.30	0.07	0.01
Generator Sets	2020	50	0.69	4.08	4.00	0.19	0.19	0.01	568.30	0.06	0.01
Generator Sets	2020	120	0.36	3.17	3.38	0.18	0.18	0.01	568.30	0.03	0.01
Generator Sets	2020	175	0.27	2.38	2.93	0.11	0.11	0.01	568.30	0.02	0.01
Generator Sets	2020	250	0.20	2.02	1.03	0.06	0.06	0.01	568.30	0.02	0.01
Generator Sets	2020	500	0.19	1.82	1.01	0.06	0.06	0.01	568.30	0.02	0.01
Generator Sets	2020	750	0.19	1.86	1.01	0.06	0.06	0.01	568.30	0.02	0.01
Generator Sets	2020	9999	0.24	3.61	1.08	0.08	0.08	0.01	568.30	0.02	0.01
Graders	2020	50	2.52	5.83	8.13	0.71	0.65	0.01	492.86	0.16	0.01
Graders	2020	120	0.98	7.73	4.56	0.62	0.57	0.01	469.34	0.15	0.01
Graders	2020	175	0.57	5.53	3.62	0.31	0.28	0.01	478.04	0.16	0.01
Graders	2020	250	0.35	4.68	1.34	0.15	0.14	0.01	475.30	0.15	0.01
Graders	2020	500	0.32	3.11	1.53	0.12	0.11	0.01	471.98	0.15	0.01
Graders	2020	750	0.32	2.03	1.23	0.07	0.07	0.01	568.30	0.03	0.01
Off-Highway Tractors	2020	120	0.45	4.18	3.79	0.31	0.28	0.01	474.15	0.15	0.01
Off-Highway Tractors	2020	175	0.27	2.89	3.22	0.14	0.13	0.01	472.92	0.15	0.01
Off-Highway Tractors	2020	250	0.22	2.58	1.18	0.09	0.08	0.01	470.94	0.15	0.01
Off-Highway Tractors	2020	750	0.20	2.05	1.13	0.08	0.07	0.01	471.82	0.15	0.01
Off-Highway Tractors	2020	1000	0.15	2.40	1.02	0.06	0.06	0.01	472.05	0.15	0.01
Off-Highway Trucks	2020	175	0.31	2.63	3.34	0.14	0.13	0.01	470.10	0.15	0.01
Off-Highway Trucks	2020	250	0.28	2.51	1.39	0.10	0.09	0.01	470.17	0.15	0.01
Off-Highway Trucks	2020	500	0.25	2.35	1.41	0.09	0.08	0.01	474.58	0.15	0.01
Off-Highway Trucks	2020	750	0.31	3.06	2.03	0.12	0.11	0.01	472.75	0.15	0.01
Off-Highway Trucks	2020	1000	0.30	4.79	1.37	0.13	0.12	0.01	469.89	0.15	0.01
Other Construction Equipment	2020	15	1.07	5.04	5.40	0.41	0.37	0.01	527.97	0.17	0.01
Other Construction Equipment	2020	25	1.07	5.04	5.40	0.41	0.37	0.01	527.97	0.17	0.01
Other Construction Equipment	2020	50	1.07	5.04	5.40	0.41	0.37	0.01	527.97	0.17	0.01
Other Construction Equipment	2020	120	0.52	4.77	3.73	0.35	0.33	0.01	472.22	0.15	0.01
Other Construction Equipment	2020	175	0.39	4.11	3.24	0.22	0.20	0.01	469.98	0.15	0.01
Other Construction Equipment	2020	500	0.22	2.64	1.63	0.10	0.09	0.01	475.23	0.15	0.01
Other General Industrial Equipment	2020	15	0.95	4.62	5.50	0.33	0.31	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2020	25	0.95	4.62	5.50	0.33	0.31	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2020	50	0.95	4.62	5.50	0.33	0.31	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2020	120	0.45	4.06	3.77	0.30	0.27	0.01	470.00	0.15	0.01
Other General Industrial Equipment	2020	175	0.27	2.58	3.23	0.14	0.12	0.01	471.85	0.15	0.01
Other General Industrial Equipment	2020	250	0.24	2.67	1.24	0.09	0.08	0.01	473.22	0.15	0.01
Other General Industrial Equipment	2020	500	0.21	2.06	1.34	0.07	0.07	0.01	472.93	0.15	0.01
Other General Industrial Equipment	2020	750	0.18	1.68	1.46	0.06	0.06	0.01	473.46	0.15	0.01
Other General Industrial Equipment	2020	1000	0.27	4.86	1.09	0.12	0.11	0.01	472.05	0.15	0.01
Other Material Handling Equipment	2020	50	1.25	5.14	6.17	0.44	0.40	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2020	120	0.31	3.10	3.59	0.18	0.17	0.01	473.59	0.15	0.01
Other Material Handling Equipment	2020	175	0.25	2.37	3.17	0.12	0.11	0.01	472.22	0.15	0.01
Other Material Handling Equipment	2020	250	0.29	3.60	1.32	0.12	0.11	0.01	471.48	0.15	0.01
Other Material Handling Equipment	2020	500	0.28	3.21	1.52	0.12	0.11	0.01	470.30	0.15	0.01
Other Material Handling Equipment	2020	9999	0.20	3.61	1.05	0.08	0.07	0.01	472.05	0.15	0.01
Pavers	2020	25	1.32	4.76	5.52	0.40	0.37	0.01	526.21	0.17	0.01
Pavers	2020	50	1.32	4.76	5.52	0.40	0.37	0.01	526.21	0.17	0.01

Construction Equipment Emission Factors - CY 2020

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Pavers	2020	120	0.47	4.43	3.60	0.33	0.30	0.01	469.88	0.15	0.01
Pavers	2020	175	0.27	2.92	3.01	0.14	0.13	0.01	472.77	0.15	0.01
Pavers	2020	250	0.18	2.78	1.03	0.08	0.07	0.01	472.83	0.15	0.01
Pavers	2020	500	0.17	2.13	0.99	0.08	0.07	0.01	466.21	0.15	0.01
Paving Equipment	2020	25	0.62	3.95	4.22	0.22	0.20	0.01	520.12	0.17	0.01
Paving Equipment	2020	50	0.62	3.95	4.22	0.22	0.20	0.01	520.12	0.17	0.01
Paving Equipment	2020	120	0.40	3.78	3.58	0.26	0.24	0.01	473.32	0.15	0.01
Paving Equipment	2020	175	0.25	2.55	3.02	0.13	0.12	0.01	470.74	0.15	0.01
Paving Equipment	2020	250	0.24	3.22	1.25	0.11	0.10	0.01	472.15	0.15	0.01
Plate Compactors	2020	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Pressure Washers	2020	15	0.65	4.52	3.55	0.21	0.21	0.01	568.30	0.06	0.01
Pressure Washers	2020	25	0.72	4.54	2.47	0.21	0.21	0.01	568.30	0.07	0.01
Pressure Washers	2020	50	0.50	3.92	3.39	0.16	0.16	0.01	568.30	0.05	0.01
Pressure Washers	2020	120	0.30	3.04	3.23	0.15	0.15	0.01	568.30	0.03	0.01
Pressure Washers	2020	175	0.26	2.38	2.91	0.10	0.10	0.01	568.30	0.02	0.01
Pressure Washers	2020	250	0.10	0.27	0.99	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2020	15	0.73	4.54	3.55	0.23	0.23	0.01	568.30	0.07	0.01
Pumps	2020	25	0.77	4.54	2.47	0.21	0.21	0.01	568.30	0.07	0.01
Pumps	2020	50	0.76	4.13	4.20	0.21	0.21	0.01	568.30	0.07	0.01
Pumps	2020	120	0.39	3.22	3.43	0.19	0.19	0.01	568.30	0.03	0.01
Pumps	2020	175	0.29	2.42	2.97	0.11	0.11	0.01	568.30	0.03	0.01
Pumps	2020	250	0.21	2.05	1.04	0.06	0.06	0.01	568.30	0.02	0.01
Pumps	2020	500	0.20	1.84	1.02	0.06	0.06	0.01	568.30	0.02	0.01
Pumps	2020	750	0.21	1.88	1.02	0.06	0.06	0.01	568.30	0.02	0.01
Pumps	2020	9999	0.26	3.65	1.10	0.08	0.08	0.01	568.30	0.02	0.01
Rollers	2020	15	0.93	4.53	4.73	0.33	0.30	0.01	525.88	0.17	0.01
Rollers	2020	25	0.93	4.53	4.73	0.33	0.30	0.01	525.88	0.17	0.01
Rollers	2020	50	0.93	4.53	4.73	0.33	0.30	0.01	525.88	0.17	0.01
Rollers	2020	120	0.39	3.88	3.53	0.25	0.23	0.01	473.86	0.15	0.01
Rollers	2020	175	0.22	2.45	2.93	0.11	0.10	0.01	471.92	0.15	0.01
Rollers	2020	250	0.21	2.75	1.25	0.09	0.08	0.01	473.37	0.15	0.01
Rollers	2020	500	0.24	2.83	2.11	0.11	0.10	0.01	479.33	0.16	0.01
Rough Terrain Forklifts	2020	50	1.00	4.49	4.69	0.32	0.29	0.01	525.62	0.17	0.01
Rough Terrain Forklifts	2020	120	0.19	2.45	3.26	0.10	0.09	0.01	472.98	0.15	0.01
Rough Terrain Forklifts	2020	175	0.14	1.87	2.84	0.07	0.06	0.01	471.72	0.15	0.01
Rough Terrain Forklifts	2020	250	0.11	1.61	0.98	0.04	0.03	0.01	472.57	0.15	0.01
Rough Terrain Forklifts	2020	500	0.09	1.30	0.94	0.03	0.03	0.01	465.77	0.15	0.01
Rubber Tired Dozers	2020	175	0.73	7.19	3.89	0.41	0.38	0.01	473.01	0.15	0.01
Rubber Tired Dozers	2020	250	0.62	6.50	2.37	0.32	0.29	0.01	474.79	0.15	0.01
Rubber Tired Dozers	2020	500	0.54	5.64	4.41	0.26	0.24	0.01	479.76	0.16	0.01
Rubber Tired Dozers	2020	750	0.46	6.12	2.60	0.22	0.20	0.01	473.06	0.15	0.01
Rubber Tired Dozers	2020	1000	0.52	5.31	2.16	0.16	0.16	0.01	568.30	0.05	0.01
Rubber Tired Loaders	2020	25	1.48	5.25	6.77	0.47	0.44	0.01	524.70	0.17	0.01
Rubber Tired Loaders	2020	50	1.48	5.25	6.77	0.47	0.44	0.01	524.70	0.17	0.01
Rubber Tired Loaders	2020	120	0.56	4.69	3.95	0.37	0.34	0.01	465.67	0.15	0.01
Rubber Tired Loaders	2020	175	0.38	3.52	3.37	0.19	0.18	0.01	471.21	0.15	0.01
Rubber Tired Loaders	2020	250	0.29	3.42	1.27	0.11	0.10	0.01	469.51	0.15	0.01
Rubber Tired Loaders	2020	500	0.29	3.02	1.63	0.11	0.10	0.01	466.78	0.15	0.01
Rubber Tired Loaders	2020	750	0.28	2.77	1.40	0.11	0.10	0.01	462.19	0.15	0.01
Rubber Tired Loaders	2020	1000	0.31	5.25	1.20	0.14	0.13	0.01	469.94	0.15	0.01
Scrapers	2020	120	0.70	6.68	4.20	0.51	0.47	0.01	483.75	0.16	0.01
Scrapers	2020	175	0.48	4.87	3.50	0.26	0.24	0.01	478.61	0.16	0.01
Scrapers	2020	250	0.45	5.09	2.06	0.22	0.21	0.01	468.99	0.15	0.01
Scrapers	2020	500	0.32	3.78	2.40	0.15	0.14	0.01	472.18	0.15	0.01
Scrapers	2020	750	0.26	3.13	1.73	0.11	0.10	0.01	471.78	0.15	0.01
Signal Boards	2020	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01

Construction Equipment Emission Factors - CY 2020

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Aerial Lifts	2020	15	0.17	2.95	3.10	0.03	0.03	0.01	525.07	0.17	0.01
Aerial Lifts	2020	25	0.17	2.95	3.10	0.03	0.03	0.01	525.07	0.17	0.01
Aerial Lifts	2020	50	0.17	2.95	3.10	0.03	0.03	0.01	525.07	0.17	0.01
Aerial Lifts	2020	120	0.12	1.87	3.18	0.04	0.04	0.01	472.11	0.15	0.01
Aerial Lifts	2020	500	0.07	0.64	0.95	0.01	0.01	0.01	472.05	0.15	0.01
Aerial Lifts	2020	750	0.20	1.87	1.01	0.06	0.06	0.01	568.30	0.02	0.01
Air Compressors	2020	15	0.73	4.54	3.55	0.23	0.23	0.01	568.30	0.07	0.01
Air Compressors	2020	25	0.77	4.54	2.47	0.21	0.21	0.01	568.30	0.07	0.01
Air Compressors	2020	50	1.00	4.40	5.16	0.25	0.25	0.01	568.30	0.09	0.01
Air Compressors	2020	120	0.49	3.40	3.70	0.22	0.22	0.01	568.30	0.04	0.01
Air Compressors	2020	175	0.37	2.56	3.20	0.13	0.13	0.01	568.30	0.03	0.01
Air Compressors	2020	250	0.29	2.17	1.12	0.07	0.07	0.01	568.30	0.03	0.01
Air Compressors	2020	500	0.28	1.94	1.08	0.07	0.07	0.01	568.30	0.03	0.01
Air Compressors	2020	750	0.28	1.98	1.08	0.07	0.07	0.01	568.30	0.03	0.01
Air Compressors	2020	1000	0.31	3.83	1.16	0.09	0.09	0.01	568.30	0.03	0.01
Bore/Drill Rigs	2020	15	0.72	4.65	4.51	0.29	0.27	0.01	535.29	0.17	0.01
Bore/Drill Rigs	2020	25	0.72	4.65	4.51	0.29	0.27	0.01	535.29	0.17	0.01
Bore/Drill Rigs	2020	50	0.72	4.65	4.51	0.29	0.27	0.01	535.29	0.17	0.01
Bore/Drill Rigs	2020	120	0.25	3.07	3.32	0.16	0.15	0.01	463.58	0.15	0.01
Bore/Drill Rigs	2020	175	0.17	1.87	2.97	0.08	0.08	0.01	477.72	0.16	0.01
Bore/Drill Rigs	2020	250	0.14	1.81	1.07	0.05	0.05	0.01	466.83	0.15	0.01
Bore/Drill Rigs	2020	500	0.13	1.41	1.01	0.05	0.04	0.01	466.82	0.15	0.01
Bore/Drill Rigs	2020	750	0.11	1.23	0.97	0.04	0.04	0.01	473.67	0.15	0.01
Bore/Drill Rigs	2020	1000	0.13	3.05	0.99	0.06	0.06	0.01	471.85	0.15	0.01
Cement and Mortar Mixers	2020	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2020	25	0.72	4.44	2.40	0.19	0.19	0.01	568.30	0.07	0.01
Concrete/Industrial Saws	2020	25	0.69	4.33	2.34	0.16	0.16	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2020	50	0.80	4.20	4.55	0.21	0.21	0.01	568.30	0.07	0.01
Concrete/Industrial Saws	2020	120	0.40	3.16	3.54	0.19	0.19	0.01	568.30	0.04	0.01
Concrete/Industrial Saws	2020	175	0.31	2.32	3.07	0.11	0.11	0.01	568.30	0.03	0.01
Cranes	2020	50	2.08	5.98	7.38	0.62	0.57	0.01	517.93	0.17	0.01
Cranes	2020	120	0.73	6.38	4.17	0.45	0.42	0.01	469.88	0.15	0.01
Cranes	2020	175	0.54	5.57	3.56	0.30	0.27	0.01	474.59	0.15	0.01
Cranes	2020	250	0.38	4.56	1.79	0.19	0.17	0.01	472.95	0.15	0.01
Cranes	2020	500	0.32	3.86	2.66	0.16	0.14	0.01	472.56	0.15	0.01
Cranes	2020	750	0.24	3.10	1.44	0.12	0.11	0.01	470.43	0.15	0.01
Cranes	2020	9999	0.18	2.36	1.00	0.06	0.06	0.01	472.05	0.15	0.01
Crawler Tractors	2020	50	2.05	5.64	7.30	0.59	0.54	0.01	515.68	0.17	0.01
Crawler Tractors	2020	120	0.72	6.01	4.04	0.50	0.46	0.01	476.33	0.15	0.01
Crawler Tractors	2020	175	0.48	4.87	3.34	0.27	0.25	0.01	471.02	0.15	0.01
Crawler Tractors	2020	250	0.36	4.63	1.55	0.18	0.16	0.01	472.94	0.15	0.01
Crawler Tractors	2020	500	0.30	3.62	2.09	0.14	0.13	0.01	475.23	0.15	0.01
Crawler Tractors	2020	750	0.26	3.14	1.31	0.12	0.11	0.01	473.31	0.15	0.01
Crawler Tractors	2020	1000	0.46	7.24	2.03	0.21	0.20	0.01	475.65	0.15	0.01
Crushing/Proc. Equipment	2020	50	0.95	4.35	5.21	0.23	0.23	0.01	568.30	0.09	0.01
Crushing/Proc. Equipment	2020	120	0.47	3.25	3.72	0.21	0.21	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2020	175	0.37	2.39	3.23	0.12	0.12	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2020	250	0.29	2.01	1.13	0.07	0.07	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2020	500	0.28	1.80	1.08	0.06	0.06	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2020	750	0.28	1.84	1.08	0.06	0.06	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2020	9999	0.33	3.70	1.15	0.09	0.09	0.01	568.30	0.03	0.01
Dumpers/Tenders	2020	25	0.69	4.34	2.34	0.17	0.17	0.01	568.30	0.06	0.01
Excavators	2020	25	0.59	4.03	4.50	0.22	0.20	0.01	525.37	0.17	0.01
Excavators	2020	50	0.59	4.03	4.50	0.22	0.20	0.01	525.37	0.17	0.01
Excavators	2020	120	0.30	3.09	3.50	0.19	0.17	0.01	468.05	0.15	0.01
Excavators	2020	175	0.23	2.28	3.09	0.11	0.10	0.01	472.29	0.15	0.01

Construction Equipment Emission Factors - CY 2020

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Signal Boards	2020	50	0.79	4.13	4.45	0.21	0.21	0.01	568.30	0.07	0.01
Signal Boards	2020	120	0.40	3.13	3.50	0.19	0.19	0.01	568.30	0.04	0.01
Signal Boards	2020	175	0.30	2.31	3.04	0.11	0.11	0.01	568.30	0.03	0.01
Signal Boards	2020	250	0.27	2.35	1.28	0.07	0.07	0.01	686.70	0.02	0.02
Skid Steer Loaders	2020	25	0.44	3.69	3.76	0.15	0.13	0.01	527.76	0.17	0.01
Skid Steer Loaders	2020	50	0.44	3.69	3.76	0.15	0.13	0.01	527.76	0.17	0.01
Skid Steer Loaders	2020	120	0.19	2.50	3.28	0.11	0.10	0.01	471.91	0.15	0.01
Surfacing Equipment	2020	50	0.54	4.24	3.93	0.22	0.20	0.01	535.53	0.17	0.01
Surfacing Equipment	2020	120	0.33	3.61	3.44	0.21	0.19	0.01	473.82	0.15	0.01
Surfacing Equipment	2020	175	0.31	3.67	2.93	0.18	0.16	0.01	469.21	0.15	0.01
Surfacing Equipment	2020	250	0.21	3.22	1.22	0.10	0.09	0.01	476.43	0.15	0.01
Surfacing Equipment	2020	500	0.15	1.84	1.22	0.07	0.06	0.01	471.63	0.15	0.01
Surfacing Equipment	2020	750	0.14	2.09	1.00	0.07	0.07	0.01	469.63	0.15	0.01
Sweepers/Scrubbers	2020	15	1.34	5.10	6.16	0.46	0.43	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2020	25	1.34	5.10	6.16	0.46	0.43	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2020	50	1.34	5.10	6.16	0.46	0.43	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2020	120	0.52	4.48	3.83	0.36	0.33	0.01	474.12	0.15	0.01
Sweepers/Scrubbers	2020	175	0.46	4.61	3.36	0.24	0.22	0.01	473.12	0.15	0.01
Sweepers/Scrubbers	2020	250	0.21	2.49	1.14	0.08	0.07	0.01	470.13	0.15	0.01
Tractors/Loaders/Backhoes	2020	25	0.83	4.40	5.03	0.29	0.27	0.01	515.87	0.17	0.01
Tractors/Loaders/Backhoes	2020	50	0.83	4.40	5.03	0.29	0.27	0.01	515.87	0.17	0.01
Tractors/Loaders/Backhoes	2020	120	0.33	3.33	3.60	0.21	0.19	0.01	475.15	0.15	0.01
Tractors/Loaders/Backhoes	2020	175	0.25	2.41	3.11	0.12	0.11	0.01	467.51	0.15	0.01
Tractors/Loaders/Backhoes	2020	250	0.23	2.74	1.20	0.09	0.08	0.01	470.50	0.15	0.01
Tractors/Loaders/Backhoes	2020	500	0.19	2.08	1.36	0.07	0.07	0.01	468.24	0.15	0.01
Tractors/Loaders/Backhoes	2020	750	0.27	3.12	1.61	0.12	0.11	0.01	468.66	0.15	0.01
Trenchers	2020	15	0.91	4.68	4.83	0.36	0.33	0.01	527.10	0.17	0.01
Trenchers	2020	25	0.91	4.68	4.83	0.36	0.33	0.01	527.10	0.17	0.01
Trenchers	2020	50	0.91	4.68	4.83	0.36	0.33	0.01	527.10	0.17	0.01
Trenchers	2020	120	0.61	5.52	3.83	0.41	0.38	0.01	475.13	0.15	0.01
Trenchers	2020	175	0.42	4.46	3.33	0.23	0.21	0.01	467.73	0.15	0.01
Trenchers	2020	250	0.39	4.81	1.77	0.20	0.18	0.01	473.60	0.15	0.01
Trenchers	2020	500	0.23	2.78	1.86	0.11	0.10	0.01	470.64	0.15	0.01
Trenchers	2020	750	0.07	0.56	0.95	0.01	0.01	0.01	472.66	0.15	0.01
Welders	2020	15	0.73	4.54	3.55	0.23	0.23	0.01	568.30	0.07	0.01
Welders	2020	25	0.77	4.54	2.47	0.21	0.21	0.01	568.30	0.07	0.01
Welders	2020	50	0.94	4.30	4.84	0.24	0.24	0.01	568.30	0.08	0.01
Welders	2020	120	0.46	3.35	3.61	0.22	0.22	0.01	568.30	0.04	0.01
Welders	2020	175	0.34	2.52	3.12	0.13	0.13	0.01	568.30	0.03	0.01
Welders	2020	250	0.26	2.14	1.09	0.07	0.07	0.01	568.30	0.02	0.01
Welders	2020	500	0.25	1.91	1.06	0.06	0.06	0.01	568.30	0.02	0.01

Construction Equipment Emission Factors - CY 2021

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Aerial Lifts	2021	15	0.17	2.92	3.11	0.03	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2021	25	0.17	2.92	3.11	0.03	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2021	50	0.17	2.92	3.11	0.03	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2021	120	0.11	1.74	3.18	0.03	0.03	0.01	472.11	0.15	0.01
Aerial Lifts	2021	500	0.07	0.64	0.95	0.01	0.01	0.01	472.05	0.15	0.01
Aerial Lifts	2021	750	0.19	1.61	1.00	0.05	0.05	0.01	568.30	0.02	0.01
Air Compressors	2021	15	0.72	4.46	3.53	0.21	0.21	0.01	568.30	0.06	0.01
Air Compressors	2021	25	0.75	4.50	2.45	0.20	0.20	0.01	568.30	0.07	0.01
Air Compressors	2021	50	0.89	4.22	5.02	0.21	0.21	0.01	568.30	0.08	0.01
Air Compressors	2021	120	0.44	3.08	3.67	0.19	0.19	0.01	568.30	0.04	0.01
Air Compressors	2021	175	0.34	2.22	3.19	0.12	0.12	0.01	568.30	0.03	0.01
Air Compressors	2021	250	0.27	1.86	1.11	0.06	0.06	0.01	568.30	0.02	0.01
Air Compressors	2021	500	0.26	1.66	1.06	0.06	0.06	0.01	568.30	0.02	0.01
Air Compressors	2021	750	0.26	1.70	1.06	0.06	0.06	0.01	568.30	0.02	0.01
Air Compressors	2021	1000	0.28	3.57	1.13	0.08	0.08	0.01	568.30	0.03	0.01
Bore/Drill Rigs	2021	15	0.71	4.63	4.55	0.29	0.27	0.01	535.38	0.17	0.01
Bore/Drill Rigs	2021	25	0.71	4.63	4.55	0.29	0.27	0.01	535.38	0.17	0.01
Bore/Drill Rigs	2021	50	0.71	4.63	4.55	0.29	0.27	0.01	535.38	0.17	0.01
Bore/Drill Rigs	2021	120	0.22	2.74	3.31	0.13	0.12	0.01	464.97	0.15	0.01
Bore/Drill Rigs	2021	175	0.15	1.60	2.96	0.07	0.06	0.01	477.05	0.15	0.01
Bore/Drill Rigs	2021	250	0.13	1.55	1.06	0.05	0.04	0.01	467.99	0.15	0.01
Bore/Drill Rigs	2021	500	0.12	1.22	1.01	0.04	0.04	0.01	469.82	0.15	0.01
Bore/Drill Rigs	2021	750	0.10	0.96	0.97	0.03	0.03	0.01	474.08	0.15	0.01
Bore/Drill Rigs	2021	1000	0.14	3.06	0.99	0.06	0.06	0.01	471.82	0.15	0.01
Cement and Mortar Mixers	2021	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2021	25	0.71	4.42	2.38	0.18	0.18	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2021	25	0.69	4.33	2.34	0.16	0.16	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2021	50	0.72	4.06	4.48	0.18	0.18	0.01	568.30	0.07	0.01
Concrete/Industrial Saws	2021	120	0.37	2.91	3.52	0.17	0.17	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2021	175	0.29	2.06	3.07	0.10	0.10	0.01	568.30	0.03	0.01
Cranes	2021	50	2.12	6.01	7.49	0.63	0.58	0.01	517.90	0.17	0.01
Cranes	2021	120	0.65	5.73	4.07	0.40	0.37	0.01	469.89	0.15	0.01
Cranes	2021	175	0.50	5.11	3.52	0.27	0.25	0.01	474.55	0.15	0.01
Cranes	2021	250	0.35	4.10	1.68	0.17	0.15	0.01	472.91	0.15	0.01
Cranes	2021	500	0.30	3.44	2.45	0.14	0.13	0.01	472.46	0.15	0.01
Cranes	2021	750	0.23	2.73	1.44	0.11	0.10	0.01	470.55	0.15	0.01
Cranes	2021	9999	0.19	2.37	1.01	0.06	0.06	0.01	472.05	0.15	0.01
Crawler Tractors	2021	50	2.06	5.62	7.35	0.59	0.54	0.01	516.11	0.17	0.01
Crawler Tractors	2021	120	0.67	5.66	4.01	0.47	0.43	0.01	476.44	0.15	0.01
Crawler Tractors	2021	175	0.44	4.39	3.31	0.25	0.23	0.01	471.42	0.15	0.01
Crawler Tractors	2021	250	0.34	4.33	1.51	0.16	0.15	0.01	472.92	0.15	0.01
Crawler Tractors	2021	500	0.28	3.28	2.02	0.13	0.12	0.01	474.48	0.15	0.01
Crawler Tractors	2021	750	0.24	2.82	1.27	0.10	0.10	0.01	473.09	0.15	0.01
Crawler Tractors	2021	1000	0.40	6.40	1.90	0.18	0.17	0.01	471.82	0.15	0.01
Crushing/Proc. Equipment	2021	50	0.86	4.21	5.14	0.20	0.20	0.01	568.30	0.08	0.01
Crushing/Proc. Equipment	2021	120	0.44	2.99	3.71	0.18	0.18	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2021	175	0.34	2.11	3.24	0.11	0.11	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2021	250	0.27	1.76	1.12	0.06	0.06	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2021	500	0.27	1.57	1.07	0.06	0.06	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2021	750	0.27	1.61	1.07	0.06	0.06	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2021	9999	0.31	3.49	1.14	0.08	0.08	0.01	568.30	0.03	0.01
Dumpers/Tenders	2021	25	0.69	4.33	2.34	0.16	0.16	0.01	568.30	0.06	0.01
Excavators	2021	25	0.56	3.92	4.46	0.20	0.19	0.01	525.38	0.17	0.01
Excavators	2021	50	0.56	3.92	4.46	0.20	0.19	0.01	525.38	0.17	0.01
Excavators	2021	120	0.28	2.85	3.49	0.16	0.15	0.01	467.79	0.15	0.01
Excavators	2021	175	0.22	2.03	3.09	0.10	0.09	0.01	472.36	0.15	0.01

Construction Equipment Emission Factors - CY 2021

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Excavators	2021	250	0.16	1.71	1.10	0.05	0.05	0.01	471.79	0.15	0.01
Excavators	2021	500	0.14	1.33	1.09	0.05	0.04	0.01	469.62	0.15	0.01
Excavators	2021	750	0.17	1.62	1.15	0.06	0.05	0.01	469.55	0.15	0.01
Forklifts	2021	50	1.00	4.52	5.53	0.32	0.29	0.01	525.48	0.17	0.01
Forklifts	2021	120	0.41	3.76	3.72	0.27	0.25	0.01	471.53	0.15	0.01
Forklifts	2021	175	0.31	2.92	3.23	0.16	0.15	0.01	472.11	0.15	0.01
Forklifts	2021	250	0.25	2.58	1.34	0.10	0.09	0.01	473.33	0.15	0.01
Forklifts	2021	500	0.25	2.30	1.48	0.09	0.09	0.01	473.62	0.15	0.01
Generator Sets	2021	15	0.63	4.44	3.53	0.20	0.20	0.01	568.30	0.06	0.01
Generator Sets	2021	25	0.71	4.50	2.45	0.20	0.20	0.01	568.30	0.06	0.01
Generator Sets	2021	50	0.61	3.92	3.91	0.17	0.17	0.01	568.30	0.06	0.01
Generator Sets	2021	120	0.33	2.89	3.36	0.15	0.15	0.01	568.30	0.03	0.01
Generator Sets	2021	175	0.24	2.07	2.93	0.09	0.09	0.01	568.30	0.02	0.01
Generator Sets	2021	250	0.18	1.73	1.02	0.05	0.05	0.01	568.30	0.02	0.01
Generator Sets	2021	500	0.18	1.56	1.00	0.05	0.05	0.01	568.30	0.02	0.01
Generator Sets	2021	750	0.18	1.60	1.00	0.05	0.05	0.01	568.30	0.02	0.01
Generator Sets	2021	9999	0.22	3.37	1.06	0.07	0.07	0.01	568.30	0.02	0.01
Graders	2021	50	2.24	5.48	7.63	0.63	0.58	0.01	492.94	0.16	0.01
Graders	2021	120	0.90	7.13	4.45	0.57	0.52	0.01	469.07	0.15	0.01
Graders	2021	175	0.51	4.84	3.56	0.27	0.25	0.01	478.53	0.16	0.01
Graders	2021	250	0.34	4.38	1.31	0.14	0.13	0.01	474.54	0.15	0.01
Graders	2021	500	0.32	3.01	1.46	0.12	0.11	0.01	471.90	0.15	0.01
Graders	2021	750	0.30	1.81	1.21	0.06	0.06	0.01	568.30	0.03	0.01
Off-Highway Tractors	2021	120	0.40	3.77	3.74	0.26	0.24	0.01	474.52	0.15	0.01
Off-Highway Tractors	2021	175	0.26	2.66	3.22	0.13	0.12	0.01	472.92	0.15	0.01
Off-Highway Tractors	2021	250	0.20	2.11	1.16	0.07	0.07	0.01	471.00	0.15	0.01
Off-Highway Tractors	2021	750	0.18	1.72	1.12	0.06	0.06	0.01	471.81	0.15	0.01
Off-Highway Tractors	2021	1000	0.16	2.41	1.03	0.06	0.06	0.01	472.05	0.15	0.01
Off-Highway Trucks	2021	175	0.28	2.25	3.32	0.11	0.10	0.01	470.29	0.15	0.01
Off-Highway Trucks	2021	250	0.25	2.11	1.35	0.08	0.08	0.01	470.19	0.15	0.01
Off-Highway Trucks	2021	500	0.23	1.95	1.34	0.07	0.07	0.01	474.54	0.15	0.01
Off-Highway Trucks	2021	750	0.29	2.67	1.94	0.11	0.10	0.01	472.99	0.15	0.01
Off-Highway Trucks	2021	1000	0.26	4.16	1.25	0.10	0.09	0.01	471.06	0.15	0.01
Other Construction Equipment	2021	15	1.01	4.90	5.31	0.38	0.35	0.01	527.78	0.17	0.01
Other Construction Equipment	2021	25	1.01	4.90	5.31	0.38	0.35	0.01	527.78	0.17	0.01
Other Construction Equipment	2021	50	1.01	4.90	5.31	0.38	0.35	0.01	527.78	0.17	0.01
Other Construction Equipment	2021	120	0.48	4.46	3.70	0.32	0.30	0.01	472.28	0.15	0.01
Other Construction Equipment	2021	175	0.33	3.44	3.18	0.18	0.17	0.01	469.76	0.15	0.01
Other Construction Equipment	2021	500	0.22	2.43	1.60	0.09	0.08	0.01	475.21	0.15	0.01
Other General Industrial Equipment	2021	15	0.83	4.43	5.31	0.29	0.27	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2021	25	0.83	4.43	5.31	0.29	0.27	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2021	50	0.83	4.43	5.31	0.29	0.27	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2021	120	0.40	3.72	3.74	0.26	0.24	0.01	470.00	0.15	0.01
Other General Industrial Equipment	2021	175	0.25	2.35	3.23	0.12	0.11	0.01	471.85	0.15	0.01
Other General Industrial Equipment	2021	250	0.20	2.09	1.17	0.07	0.06	0.01	473.22	0.15	0.01
Other General Industrial Equipment	2021	500	0.20	1.80	1.33	0.06	0.06	0.01	472.93	0.15	0.01
Other General Industrial Equipment	2021	750	0.17	1.39	1.46	0.05	0.05	0.01	473.46	0.15	0.01
Other General Industrial Equipment	2021	1000	0.28	4.88	1.09	0.12	0.11	0.01	472.05	0.15	0.01
Other Material Handling Equipment	2021	50	1.11	4.97	5.96	0.40	0.36	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2021	120	0.29	2.96	3.60	0.17	0.15	0.01	473.59	0.15	0.01
Other Material Handling Equipment	2021	175	0.25	2.25	3.20	0.11	0.11	0.01	472.22	0.15	0.01
Other Material Handling Equipment	2021	250	0.27	3.08	1.31	0.10	0.09	0.01	471.48	0.15	0.01
Other Material Handling Equipment	2021	500	0.25	2.60	1.44	0.10	0.09	0.01	470.30	0.15	0.01
Other Material Handling Equipment	2021	9999	0.07	2.32	0.97	0.02	0.02	0.01	472.05	0.15	0.01
Pavers	2021	25	1.21	4.60	5.30	0.37	0.34	0.01	526.52	0.17	0.01
Pavers	2021	50	1.21	4.60	5.30	0.37	0.34	0.01	526.52	0.17	0.01

Construction Equipment Emission Factors - CY 2021

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Pavers	2021	120	0.42	4.03	3.56	0.29	0.26	0.01	469.77	0.15	0.01
Pavers	2021	175	0.26	2.69	3.02	0.13	0.12	0.01	472.56	0.15	0.01
Pavers	2021	250	0.17	2.48	1.02	0.07	0.06	0.01	472.48	0.15	0.01
Pavers	2021	500	0.16	2.05	0.99	0.07	0.07	0.01	465.59	0.15	0.01
Paving Equipment	2021	25	0.59	3.88	4.21	0.20	0.18	0.01	520.40	0.17	0.01
Paving Equipment	2021	50	0.59	3.88	4.21	0.20	0.18	0.01	520.40	0.17	0.01
Paving Equipment	2021	120	0.36	3.45	3.55	0.22	0.20	0.01	473.22	0.15	0.01
Paving Equipment	2021	175	0.23	2.32	3.03	0.11	0.11	0.01	470.65	0.15	0.01
Paving Equipment	2021	250	0.21	2.58	1.21	0.09	0.09	0.01	472.15	0.15	0.01
Plate Compactors	2021	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Pressure Washers	2021	15	0.63	4.44	3.53	0.20	0.20	0.01	568.30	0.06	0.01
Pressure Washers	2021	25	0.71	4.50	2.45	0.20	0.20	0.01	568.30	0.06	0.01
Pressure Washers	2021	50	0.44	3.77	3.33	0.14	0.14	0.01	568.30	0.04	0.01
Pressure Washers	2021	120	0.26	2.77	3.21	0.13	0.13	0.01	568.30	0.02	0.01
Pressure Washers	2021	175	0.24	2.12	2.91	0.09	0.09	0.01	568.30	0.02	0.01
Pressure Washers	2021	250	0.10	0.27	0.99	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2021	15	0.72	4.46	3.53	0.21	0.21	0.01	568.30	0.06	0.01
Pumps	2021	25	0.75	4.50	2.45	0.20	0.20	0.01	568.30	0.07	0.01
Pumps	2021	50	0.67	3.97	4.10	0.18	0.18	0.01	568.30	0.06	0.01
Pumps	2021	120	0.35	2.93	3.41	0.16	0.16	0.01	568.30	0.03	0.01
Pumps	2021	175	0.26	2.10	2.97	0.10	0.10	0.01	568.30	0.02	0.01
Pumps	2021	250	0.20	1.76	1.03	0.05	0.05	0.01	568.30	0.02	0.01
Pumps	2021	500	0.19	1.58	1.01	0.05	0.05	0.01	568.30	0.02	0.01
Pumps	2021	750	0.19	1.62	1.01	0.05	0.05	0.01	568.30	0.02	0.01
Pumps	2021	9999	0.23	3.41	1.07	0.07	0.07	0.01	568.30	0.02	0.01
Rollers	2021	15	0.85	4.35	4.60	0.29	0.27	0.01	525.79	0.17	0.01
Rollers	2021	25	0.85	4.35	4.60	0.29	0.27	0.01	525.79	0.17	0.01
Rollers	2021	50	0.85	4.35	4.60	0.29	0.27	0.01	525.79	0.17	0.01
Rollers	2021	120	0.35	3.59	3.51	0.22	0.20	0.01	473.90	0.15	0.01
Rollers	2021	175	0.19	2.12	2.93	0.10	0.09	0.01	471.98	0.15	0.01
Rollers	2021	250	0.20	2.49	1.23	0.08	0.08	0.01	473.47	0.15	0.01
Rollers	2021	500	0.22	2.59	1.95	0.10	0.09	0.01	479.33	0.16	0.01
Rough Terrain Forklifts	2021	50	0.97	4.41	4.66	0.30	0.28	0.01	525.38	0.17	0.01
Rough Terrain Forklifts	2021	120	0.18	2.29	3.25	0.09	0.08	0.01	473.11	0.15	0.01
Rough Terrain Forklifts	2021	175	0.13	1.62	2.84	0.06	0.06	0.01	471.76	0.15	0.01
Rough Terrain Forklifts	2021	250	0.12	1.61	0.98	0.04	0.03	0.01	472.55	0.15	0.01
Rough Terrain Forklifts	2021	500	0.09	1.30	0.95	0.03	0.03	0.01	465.74	0.15	0.01
Rubber Tired Dozers	2021	175	0.69	6.79	3.85	0.39	0.36	0.01	472.98	0.15	0.01
Rubber Tired Dozers	2021	250	0.60	6.30	2.32	0.31	0.28	0.01	474.80	0.15	0.01
Rubber Tired Dozers	2021	500	0.49	5.08	4.04	0.23	0.21	0.01	478.99	0.16	0.01
Rubber Tired Dozers	2021	750	0.46	6.12	2.60	0.22	0.20	0.01	473.05	0.15	0.01
Rubber Tired Dozers	2021	1000	0.50	5.10	2.06	0.15	0.15	0.01	568.30	0.04	0.01
Rubber Tired Loaders	2021	25	1.33	4.97	6.45	0.41	0.38	0.01	524.55	0.17	0.01
Rubber Tired Loaders	2021	50	1.33	4.97	6.45	0.41	0.38	0.01	524.55	0.17	0.01
Rubber Tired Loaders	2021	120	0.50	4.21	3.89	0.32	0.29	0.01	466.42	0.15	0.01
Rubber Tired Loaders	2021	175	0.35	3.12	3.35	0.17	0.16	0.01	471.08	0.15	0.01
Rubber Tired Loaders	2021	250	0.27	3.00	1.24	0.10	0.09	0.01	469.56	0.15	0.01
Rubber Tired Loaders	2021	500	0.26	2.61	1.53	0.10	0.09	0.01	467.93	0.15	0.01
Rubber Tired Loaders	2021	750	0.27	2.64	1.40	0.10	0.09	0.01	462.05	0.15	0.01
Rubber Tired Loaders	2021	1000	0.29	4.97	1.21	0.13	0.12	0.01	471.26	0.15	0.01
Scrapers	2021	120	0.70	6.66	4.22	0.51	0.47	0.01	483.71	0.16	0.01
Scrapers	2021	175	0.43	4.34	3.46	0.23	0.21	0.01	478.65	0.16	0.01
Scrapers	2021	250	0.39	4.37	1.88	0.19	0.17	0.01	469.13	0.15	0.01
Scrapers	2021	500	0.30	3.44	2.25	0.13	0.12	0.01	472.46	0.15	0.01
Scrapers	2021	750	0.25	2.89	1.66	0.11	0.10	0.01	471.79	0.15	0.01
Signal Boards	2021	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01

Construction Equipment Emission Factors - CY 2021

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Signal Boards	2021	50	0.71	4.00	4.38	0.18	0.18	0.01	568.30	0.06	0.01
Signal Boards	2021	120	0.36	2.89	3.49	0.16	0.16	0.01	568.30	0.03	0.01
Signal Boards	2021	175	0.28	2.04	3.04	0.10	0.10	0.01	568.30	0.03	0.01
Signal Boards	2021	250	0.26	2.05	1.27	0.06	0.06	0.01	686.70	0.02	0.02
Skid Steer Loaders	2021	25	0.41	3.57	3.73	0.13	0.12	0.01	527.45	0.17	0.01
Skid Steer Loaders	2021	50	0.41	3.57	3.73	0.13	0.12	0.01	527.45	0.17	0.01
Skid Steer Loaders	2021	120	0.18	2.37	3.28	0.10	0.09	0.01	471.98	0.15	0.01
Surfacing Equipment	2021	50	0.51	4.19	3.93	0.20	0.19	0.01	535.78	0.17	0.01
Surfacing Equipment	2021	120	0.31	3.46	3.44	0.19	0.18	0.01	474.09	0.15	0.01
Surfacing Equipment	2021	175	0.26	3.10	2.92	0.15	0.13	0.01	469.17	0.15	0.01
Surfacing Equipment	2021	250	0.21	2.99	1.22	0.09	0.09	0.01	476.80	0.15	0.01
Surfacing Equipment	2021	500	0.14	1.75	1.20	0.06	0.06	0.01	471.75	0.15	0.01
Surfacing Equipment	2021	750	0.13	1.60	0.99	0.06	0.06	0.01	470.41	0.15	0.01
Sweepers/Scrubbers	2021	15	1.22	4.85	5.90	0.41	0.38	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2021	25	1.22	4.85	5.90	0.41	0.38	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2021	50	1.22	4.85	5.90	0.41	0.38	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2021	120	0.44	3.96	3.76	0.29	0.27	0.01	474.12	0.15	0.01
Sweepers/Scrubbers	2021	175	0.39	3.71	3.25	0.19	0.17	0.01	473.12	0.15	0.01
Sweepers/Scrubbers	2021	250	0.16	1.76	1.11	0.06	0.05	0.01	470.13	0.15	0.01
Tractors/Loaders/Backhoes	2021	25	0.76	4.23	4.90	0.25	0.23	0.01	515.12	0.17	0.01
Tractors/Loaders/Backhoes	2021	50	0.76	4.23	4.90	0.25	0.23	0.01	515.12	0.17	0.01
Tractors/Loaders/Backhoes	2021	120	0.30	3.00	3.57	0.18	0.16	0.01	475.36	0.15	0.01
Tractors/Loaders/Backhoes	2021	175	0.22	2.06	3.09	0.10	0.10	0.01	467.53	0.15	0.01
Tractors/Loaders/Backhoes	2021	250	0.21	2.37	1.19	0.08	0.07	0.01	470.57	0.15	0.01
Tractors/Loaders/Backhoes	2021	500	0.18	1.78	1.34	0.06	0.06	0.01	469.30	0.15	0.01
Tractors/Loaders/Backhoes	2021	750	0.25	2.75	1.43	0.10	0.10	0.01	466.46	0.15	0.01
Trenchers	2021	15	0.81	4.46	4.67	0.31	0.29	0.01	527.02	0.17	0.01
Trenchers	2021	25	0.81	4.46	4.67	0.31	0.29	0.01	527.02	0.17	0.01
Trenchers	2021	50	0.81	4.46	4.67	0.31	0.29	0.01	527.02	0.17	0.01
Trenchers	2021	120	0.56	5.11	3.79	0.37	0.34	0.01	475.29	0.15	0.01
Trenchers	2021	175	0.41	4.27	3.30	0.22	0.20	0.01	467.73	0.15	0.01
Trenchers	2021	250	0.36	4.36	1.67	0.17	0.16	0.01	473.85	0.15	0.01
Trenchers	2021	500	0.22	2.49	1.86	0.10	0.09	0.01	470.70	0.15	0.01
Trenchers	2021	750	0.07	0.48	0.95	0.01	0.01	0.01	472.53	0.15	0.01

Construction Equipment Emission Factors - CY 2022

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Aerial Lifts	2022	15	0.16	2.91	3.11	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2022	25	0.16	2.91	3.11	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2022	50	0.16	2.91	3.11	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2022	120	0.11	1.63	3.18	0.03	0.03	0.01	472.11	0.15	0.01
Aerial Lifts	2022	500	0.08	0.64	0.96	0.01	0.01	0.01	472.05	0.15	0.01
Aerial Lifts	2022	750	0.18	1.42	1.00	0.04	0.04	0.01	568.30	0.02	0.01
Air Compressors	2022	15	0.71	4.41	3.52	0.20	0.20	0.01	568.30	0.06	0.01
Air Compressors	2022	25	0.74	4.47	2.43	0.19	0.19	0.01	568.30	0.07	0.01
Air Compressors	2022	50	0.81	4.09	4.96	0.18	0.18	0.01	568.30	0.07	0.01
Air Compressors	2022	120	0.41	2.84	3.66	0.17	0.17	0.01	568.30	0.04	0.01
Air Compressors	2022	175	0.32	1.96	3.19	0.10	0.10	0.01	568.30	0.03	0.01
Air Compressors	2022	250	0.26	1.62	1.10	0.05	0.05	0.01	568.30	0.02	0.01
Air Compressors	2022	500	0.25	1.47	1.06	0.05	0.05	0.01	568.30	0.02	0.01
Air Compressors	2022	750	0.25	1.50	1.06	0.05	0.05	0.01	568.30	0.02	0.01
Air Compressors	2022	1000	0.27	3.38	1.12	0.08	0.08	0.01	568.30	0.02	0.01
Bore/Drill Rigs	2022	15	0.63	4.28	4.33	0.24	0.22	0.01	529.87	0.17	0.01
Bore/Drill Rigs	2022	25	0.63	4.28	4.33	0.24	0.22	0.01	529.87	0.17	0.01
Bore/Drill Rigs	2022	50	0.63	4.28	4.33	0.24	0.22	0.01	529.87	0.17	0.01
Bore/Drill Rigs	2022	120	0.19	2.42	3.26	0.11	0.10	0.01	462.27	0.15	0.01
Bore/Drill Rigs	2022	175	0.14	1.29	2.95	0.06	0.05	0.01	477.37	0.15	0.01
Bore/Drill Rigs	2022	250	0.12	1.16	1.05	0.04	0.03	0.01	468.76	0.15	0.01
Bore/Drill Rigs	2022	500	0.11	1.04	1.00	0.04	0.03	0.01	467.19	0.15	0.01
Bore/Drill Rigs	2022	750	0.09	0.77	0.98	0.03	0.03	0.01	477.14	0.15	0.01
Bore/Drill Rigs	2022	1000	0.06	2.28	0.95	0.02	0.02	0.01	472.92	0.15	0.01
Cement and Mortar Mixers	2022	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2022	25	0.70	4.40	2.37	0.18	0.18	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2022	25	0.69	4.33	2.34	0.16	0.16	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2022	50	0.66	3.94	4.42	0.16	0.16	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2022	120	0.34	2.69	3.51	0.14	0.14	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2022	175	0.27	1.81	3.07	0.09	0.09	0.01	568.30	0.02	0.01
Cranes	2022	50	2.03	5.90	7.37	0.60	0.56	0.01	517.87	0.17	0.01
Cranes	2022	120	0.58	5.15	3.97	0.35	0.32	0.01	469.99	0.15	0.01
Cranes	2022	175	0.46	4.62	3.48	0.25	0.23	0.01	474.59	0.15	0.01
Cranes	2022	250	0.32	3.54	1.60	0.15	0.14	0.01	472.98	0.15	0.01
Cranes	2022	500	0.26	2.89	2.21	0.12	0.11	0.01	472.18	0.15	0.01
Cranes	2022	750	0.20	2.25	1.28	0.09	0.08	0.01	470.48	0.15	0.01
Cranes	2022	9999	0.20	2.39	1.02	0.06	0.06	0.01	472.05	0.15	0.01
Crawler Tractors	2022	50	1.90	5.38	7.04	0.54	0.50	0.01	516.15	0.17	0.01
Crawler Tractors	2022	120	0.60	5.10	3.92	0.41	0.38	0.01	476.02	0.15	0.01
Crawler Tractors	2022	175	0.39	3.83	3.26	0.21	0.20	0.01	471.57	0.15	0.01
Crawler Tractors	2022	250	0.31	3.74	1.44	0.14	0.13	0.01	472.10	0.15	0.01
Crawler Tractors	2022	500	0.25	2.74	1.92	0.11	0.10	0.01	474.41	0.15	0.01
Crawler Tractors	2022	750	0.20	2.13	1.19	0.08	0.07	0.01	472.88	0.15	0.01
Crawler Tractors	2022	1000	0.36	5.92	1.73	0.16	0.15	0.01	470.70	0.15	0.01
Crushing/Proc. Equipment	2022	50	0.80	4.08	5.08	0.17	0.17	0.01	568.30	0.07	0.01
Crushing/Proc. Equipment	2022	120	0.41	2.76	3.70	0.15	0.15	0.01	568.30	0.04	0.01
Crushing/Proc. Equipment	2022	175	0.32	1.86	3.24	0.10	0.10	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2022	250	0.26	1.52	1.11	0.05	0.05	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2022	500	0.26	1.39	1.07	0.05	0.05	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2022	750	0.26	1.42	1.07	0.05	0.05	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2022	9999	0.30	3.31	1.12	0.07	0.07	0.01	568.30	0.03	0.01
Dumpers/Tenders	2022	25	0.69	4.33	2.34	0.16	0.16	0.01	568.30	0.06	0.01
Excavators	2022	25	0.48	3.70	4.27	0.16	0.15	0.01	525.45	0.17	0.01
Excavators	2022	50	0.48	3.70	4.27	0.16	0.15	0.01	525.45	0.17	0.01
Excavators	2022	120	0.25	2.61	3.47	0.14	0.13	0.01	467.63	0.15	0.01
Excavators	2022	175	0.19	1.68	3.07	0.08	0.08	0.01	472.19	0.15	0.01

Construction Equipment Emission Factors - CY 2022

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Excavators	2022	250	0.15	1.39	1.09	0.04	0.04	0.01	472.04	0.15	0.01
Excavators	2022	500	0.13	1.04	1.06	0.04	0.03	0.01	469.71	0.15	0.01
Excavators	2022	750	0.15	1.29	1.14	0.05	0.04	0.01	469.29	0.15	0.01
Forklifts	2022	50	0.86	4.31	5.30	0.27	0.25	0.01	525.48	0.17	0.01
Forklifts	2022	120	0.36	3.36	3.68	0.22	0.21	0.01	471.53	0.15	0.01
Forklifts	2022	175	0.27	2.48	3.20	0.13	0.12	0.01	472.11	0.15	0.01
Forklifts	2022	250	0.24	2.32	1.32	0.09	0.08	0.01	473.33	0.15	0.01
Forklifts	2022	500	0.23	1.99	1.22	0.08	0.07	0.01	473.62	0.15	0.01
Generator Sets	2022	15	0.63	4.39	3.52	0.19	0.19	0.01	568.30	0.06	0.01
Generator Sets	2022	25	0.71	4.47	2.43	0.19	0.19	0.01	568.30	0.06	0.01
Generator Sets	2022	50	0.56	3.80	3.86	0.14	0.14	0.01	568.30	0.05	0.01
Generator Sets	2022	120	0.30	2.67	3.35	0.13	0.13	0.01	568.30	0.03	0.01
Generator Sets	2022	175	0.23	1.83	2.93	0.08	0.08	0.01	568.30	0.02	0.01
Generator Sets	2022	250	0.17	1.51	1.01	0.04	0.04	0.01	568.30	0.02	0.01
Generator Sets	2022	500	0.17	1.38	0.99	0.04	0.04	0.01	568.30	0.02	0.01
Generator Sets	2022	750	0.17	1.41	0.99	0.04	0.04	0.01	568.30	0.02	0.01
Generator Sets	2022	9999	0.21	3.20	1.05	0.06	0.06	0.01	568.30	0.02	0.01
Graders	2022	50	2.11	5.33	7.43	0.60	0.55	0.01	493.02	0.16	0.01
Graders	2022	120	0.80	6.36	4.33	0.49	0.45	0.01	469.63	0.15	0.01
Graders	2022	175	0.44	4.12	3.49	0.23	0.21	0.01	478.57	0.16	0.01
Graders	2022	250	0.31	3.89	1.27	0.12	0.11	0.01	474.24	0.15	0.01
Graders	2022	500	0.31	2.80	1.39	0.11	0.10	0.01	471.93	0.15	0.01
Graders	2022	750	0.29	1.61	1.19	0.06	0.06	0.01	568.30	0.03	0.01
Off-Highway Tractors	2022	120	0.35	3.40	3.71	0.22	0.20	0.01	475.23	0.15	0.01
Off-Highway Tractors	2022	175	0.23	2.24	3.19	0.11	0.10	0.01	472.81	0.15	0.01
Off-Highway Tractors	2022	250	0.18	1.73	1.14	0.06	0.06	0.01	471.13	0.15	0.01
Off-Highway Tractors	2022	750	0.17	1.43	1.12	0.06	0.05	0.01	471.94	0.15	0.01
Off-Highway Tractors	2022	1000	0.17	2.43	1.04	0.07	0.06	0.01	472.05	0.15	0.01
Off-Highway Trucks	2022	175	0.24	1.81	3.28	0.09	0.08	0.01	470.18	0.15	0.01
Off-Highway Trucks	2022	250	0.22	1.62	1.28	0.06	0.06	0.01	469.62	0.15	0.01
Off-Highway Trucks	2022	500	0.20	1.49	1.25	0.05	0.05	0.01	474.71	0.15	0.01
Off-Highway Trucks	2022	750	0.26	2.27	1.75	0.09	0.08	0.01	473.98	0.15	0.01
Off-Highway Trucks	2022	1000	0.23	3.84	1.21	0.09	0.08	0.01	472.34	0.15	0.01
Other Construction Equipment	2022	15	0.92	4.74	5.17	0.35	0.32	0.01	529.18	0.17	0.01
Other Construction Equipment	2022	25	0.92	4.74	5.17	0.35	0.32	0.01	529.18	0.17	0.01
Other Construction Equipment	2022	50	0.92	4.74	5.17	0.35	0.32	0.01	529.18	0.17	0.01
Other Construction Equipment	2022	120	0.44	4.10	3.67	0.29	0.27	0.01	472.32	0.15	0.01
Other Construction Equipment	2022	175	0.30	2.99	3.16	0.16	0.14	0.01	469.61	0.15	0.01
Other Construction Equipment	2022	500	0.19	1.98	1.44	0.07	0.07	0.01	476.00	0.15	0.01
Other General Industrial Equipment	2022	15	0.70	4.20	5.08	0.24	0.22	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2022	25	0.70	4.20	5.08	0.24	0.22	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2022	50	0.70	4.20	5.08	0.24	0.22	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2022	120	0.34	3.20	3.67	0.20	0.18	0.01	470.00	0.15	0.01
Other General Industrial Equipment	2022	175	0.24	2.15	3.23	0.11	0.10	0.01	471.85	0.15	0.01
Other General Industrial Equipment	2022	250	0.19	1.76	1.14	0.06	0.05	0.01	473.22	0.15	0.01
Other General Industrial Equipment	2022	500	0.18	1.43	1.17	0.05	0.05	0.01	472.93	0.15	0.01
Other General Industrial Equipment	2022	750	0.15	1.06	1.46	0.05	0.04	0.01	473.46	0.15	0.01
Other General Industrial Equipment	2022	1000	0.19	3.94	1.04	0.08	0.07	0.01	472.05	0.15	0.01
Other Material Handling Equipment	2022	50	1.10	4.92	5.98	0.39	0.35	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2022	120	0.25	2.57	3.56	0.12	0.11	0.01	473.59	0.15	0.01
Other Material Handling Equipment	2022	175	0.23	1.89	3.18	0.10	0.10	0.01	472.22	0.15	0.01
Other Material Handling Equipment	2022	250	0.23	2.43	1.24	0.08	0.08	0.01	471.48	0.15	0.01
Other Material Handling Equipment	2022	500	0.23	2.06	1.35	0.08	0.08	0.01	470.30	0.15	0.01
Other Material Handling Equipment	2022	9999	0.08	2.33	0.98	0.02	0.02	0.01	472.05	0.15	0.01
Pavers	2022	25	1.09	4.42	5.11	0.33	0.30	0.01	526.90	0.17	0.01
Pavers	2022	50	1.09	4.42	5.11	0.33	0.30	0.01	526.90	0.17	0.01

Construction Equipment Emission Factors - CY 2022

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Pavers	2022	120	0.37	3.66	3.53	0.25	0.23	0.01	470.19	0.15	0.01
Pavers	2022	175	0.22	2.18	2.99	0.10	0.10	0.01	472.76	0.15	0.01
Pavers	2022	250	0.14	1.90	1.01	0.06	0.05	0.01	472.37	0.15	0.01
Pavers	2022	500	0.15	1.81	0.98	0.06	0.06	0.01	466.00	0.15	0.01
Paving Equipment	2022	25	0.57	3.84	4.24	0.19	0.17	0.01	520.66	0.17	0.01
Paving Equipment	2022	50	0.57	3.84	4.24	0.19	0.17	0.01	520.66	0.17	0.01
Paving Equipment	2022	120	0.30	3.00	3.50	0.17	0.16	0.01	473.45	0.15	0.01
Paving Equipment	2022	175	0.21	2.07	3.04	0.10	0.09	0.01	470.66	0.15	0.01
Paving Equipment	2022	250	0.20	2.23	1.20	0.08	0.08	0.01	472.17	0.15	0.01
Plate Compactors	2022	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Pressure Washers	2022	15	0.63	4.39	3.52	0.19	0.19	0.01	568.30	0.06	0.01
Pressure Washers	2022	25	0.71	4.47	2.43	0.19	0.19	0.01	568.30	0.06	0.01
Pressure Washers	2022	50	0.40	3.65	3.29	0.12	0.12	0.01	568.30	0.04	0.01
Pressure Washers	2022	120	0.24	2.56	3.20	0.11	0.11	0.01	568.30	0.02	0.01
Pressure Washers	2022	175	0.22	1.87	2.91	0.08	0.08	0.01	568.30	0.02	0.01
Pressure Washers	2022	250	0.10	0.27	0.99	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2022	15	0.71	4.41	3.52	0.20	0.20	0.01	568.30	0.06	0.01
Pumps	2022	25	0.74	4.47	2.43	0.19	0.19	0.01	568.30	0.07	0.01
Pumps	2022	50	0.61	3.85	4.05	0.15	0.15	0.01	568.30	0.06	0.01
Pumps	2022	120	0.32	2.71	3.40	0.14	0.14	0.01	568.30	0.03	0.01
Pumps	2022	175	0.24	1.86	2.97	0.09	0.09	0.01	568.30	0.02	0.01
Pumps	2022	250	0.19	1.53	1.03	0.05	0.05	0.01	568.30	0.02	0.01
Pumps	2022	500	0.18	1.40	1.00	0.04	0.04	0.01	568.30	0.02	0.01
Pumps	2022	750	0.18	1.43	1.00	0.04	0.04	0.01	568.30	0.02	0.01
Pumps	2022	9999	0.22	3.24	1.06	0.07	0.07	0.01	568.30	0.02	0.01
Rollers	2022	15	0.74	4.13	4.40	0.25	0.23	0.01	525.69	0.17	0.01
Rollers	2022	25	0.74	4.13	4.40	0.25	0.23	0.01	525.69	0.17	0.01
Rollers	2022	50	0.74	4.13	4.40	0.25	0.23	0.01	525.69	0.17	0.01
Rollers	2022	120	0.31	3.22	3.47	0.19	0.17	0.01	473.93	0.15	0.01
Rollers	2022	175	0.16	1.71	2.91	0.08	0.07	0.01	471.95	0.15	0.01
Rollers	2022	250	0.19	2.21	1.23	0.08	0.07	0.01	473.51	0.15	0.01
Rollers	2022	500	0.22	2.46	1.95	0.10	0.09	0.01	478.98	0.16	0.01
Rough Terrain Forklifts	2022	50	0.79	4.04	4.30	0.24	0.22	0.01	525.02	0.17	0.01
Rough Terrain Forklifts	2022	120	0.16	2.10	3.24	0.07	0.07	0.01	473.09	0.15	0.01
Rough Terrain Forklifts	2022	175	0.12	1.40	2.84	0.05	0.05	0.01	471.68	0.15	0.01
Rough Terrain Forklifts	2022	250	0.12	1.62	0.99	0.04	0.03	0.01	472.54	0.15	0.01
Rough Terrain Forklifts	2022	500	0.07	0.56	0.94	0.01	0.01	0.01	466.56	0.15	0.01
Rubber Tired Dozers	2022	175	0.60	5.81	3.75	0.33	0.30	0.01	473.91	0.15	0.01
Rubber Tired Dozers	2022	250	0.48	5.05	2.06	0.24	0.22	0.01	474.62	0.15	0.01
Rubber Tired Dozers	2022	500	0.48	4.81	3.89	0.22	0.20	0.01	479.31	0.16	0.01
Rubber Tired Dozers	2022	750	0.46	6.12	2.61	0.22	0.20	0.01	473.04	0.15	0.01
Rubber Tired Dozers	2022	1000	0.48	4.90	1.96	0.14	0.14	0.01	568.30	0.04	0.01
Rubber Tired Loaders	2022	25	1.18	4.75	6.20	0.35	0.33	0.01	524.79	0.17	0.01
Rubber Tired Loaders	2022	50	1.18	4.75	6.20	0.35	0.33	0.01	524.79	0.17	0.01
Rubber Tired Loaders	2022	120	0.44	3.77	3.84	0.27	0.25	0.01	466.49	0.15	0.01
Rubber Tired Loaders	2022	175	0.30	2.52	3.30	0.14	0.13	0.01	470.93	0.15	0.01
Rubber Tired Loaders	2022	250	0.23	2.35	1.19	0.08	0.07	0.01	469.90	0.15	0.01
Rubber Tired Loaders	2022	500	0.24	2.18	1.44	0.08	0.08	0.01	468.13	0.15	0.01
Rubber Tired Loaders	2022	750	0.23	2.10	1.32	0.08	0.07	0.01	463.82	0.15	0.01
Rubber Tired Loaders	2022	1000	0.19	3.62	1.16	0.07	0.07	0.01	472.86	0.15	0.01
Scrapers	2022	120	0.68	6.46	4.20	0.49	0.45	0.01	483.45	0.16	0.01
Scrapers	2022	175	0.39	3.83	3.42	0.20	0.19	0.01	478.74	0.16	0.01
Scrapers	2022	250	0.34	3.67	1.74	0.16	0.15	0.01	469.27	0.15	0.01
Scrapers	2022	500	0.26	2.88	2.05	0.11	0.10	0.01	473.23	0.15	0.01
Scrapers	2022	750	0.22	2.48	1.51	0.09	0.08	0.01	471.28	0.15	0.01
Signal Boards	2022	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01

Construction Equipment Emission Factors - CY 2022

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Signal Boards	2022	50	0.66	3.88	4.33	0.15	0.15	0.01	568.30	0.06	0.01
Signal Boards	2022	120	0.34	2.67	3.48	0.14	0.14	0.01	568.30	0.03	0.01
Signal Boards	2022	175	0.26	1.80	3.04	0.09	0.09	0.01	568.30	0.02	0.01
Signal Boards	2022	250	0.25	1.78	1.27	0.06	0.06	0.01	686.70	0.02	0.02
Skid Steer Loaders	2022	25	0.37	3.43	3.66	0.10	0.10	0.01	527.27	0.17	0.01
Skid Steer Loaders	2022	50	0.37	3.43	3.66	0.10	0.10	0.01	527.27	0.17	0.01
Skid Steer Loaders	2022	120	0.16	2.19	3.27	0.08	0.08	0.01	472.43	0.15	0.01
Surfacing Equipment	2022	50	0.43	3.91	3.77	0.15	0.14	0.01	535.84	0.17	0.01
Surfacing Equipment	2022	120	0.29	3.25	3.41	0.18	0.16	0.01	473.64	0.15	0.01
Surfacing Equipment	2022	175	0.24	2.70	2.91	0.13	0.12	0.01	469.13	0.15	0.01
Surfacing Equipment	2022	250	0.20	2.67	1.22	0.09	0.08	0.01	476.95	0.15	0.01
Surfacing Equipment	2022	500	0.13	1.56	1.16	0.06	0.05	0.01	470.52	0.15	0.01
Surfacing Equipment	2022	750	0.12	1.36	0.99	0.05	0.05	0.01	470.40	0.15	0.01
Sweepers/Scrubbers	2022	15	1.01	4.49	5.45	0.34	0.31	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2022	25	1.01	4.49	5.45	0.34	0.31	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2022	50	1.01	4.49	5.45	0.34	0.31	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2022	120	0.37	3.47	3.69	0.23	0.21	0.01	474.12	0.15	0.01
Sweepers/Scrubbers	2022	175	0.32	3.00	3.22	0.15	0.13	0.01	473.12	0.15	0.01
Sweepers/Scrubbers	2022	250	0.15	1.60	1.10	0.05	0.05	0.01	470.13	0.15	0.01
Tractors/Loaders/Backhoes	2022	25	0.69	4.03	4.76	0.22	0.20	0.01	514.46	0.17	0.01
Tractors/Loaders/Backhoes	2022	50	0.69	4.03	4.76	0.22	0.20	0.01	514.46	0.17	0.01
Tractors/Loaders/Backhoes	2022	120	0.26	2.65	3.54	0.14	0.13	0.01	475.90	0.15	0.01
Tractors/Loaders/Backhoes	2022	175	0.20	1.75	3.08	0.09	0.08	0.01	467.80	0.15	0.01
Tractors/Loaders/Backhoes	2022	250	0.19	1.94	1.16	0.07	0.06	0.01	470.12	0.15	0.01
Tractors/Loaders/Backhoes	2022	500	0.16	1.44	1.28	0.05	0.05	0.01	469.26	0.15	0.01
Tractors/Loaders/Backhoes	2022	750	0.23	2.45	1.35	0.09	0.09	0.01	466.63	0.15	0.01
Trenchers	2022	15	0.72	4.27	4.52	0.28	0.25	0.01	527.03	0.17	0.01
Trenchers	2022	25	0.72	4.27	4.52	0.28	0.25	0.01	527.03	0.17	0.01
Trenchers	2022	50	0.72	4.27	4.52	0.28	0.25	0.01	527.03	0.17	0.01
Trenchers	2022	120	0.53	4.91	3.78	0.35	0.32	0.01	475.33	0.15	0.01
Trenchers	2022	175	0.40	4.10	3.31	0.21	0.20	0.01	467.73	0.15	0.01
Trenchers	2022	250	0.34	3.85	1.66	0.16	0.15	0.01	473.85	0.15	0.01
Trenchers	2022	500	0.21	2.21	1.87	0.09	0.09	0.01	470.58	0.15	0.01
Trenchers	2022	750	0.06	0.30	0.94	0.01	0.01	0.01	474.29	0.15	0.01

Construction Equipment Emission Factors - CY 2023

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Aerial Lifts	2023	15	0.16	2.90	3.12	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2023	25	0.16	2.90	3.12	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2023	50	0.16	2.90	3.12	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2023	120	0.10	1.55	3.17	0.03	0.03	0.01	472.11	0.15	0.01
Aerial Lifts	2023	500	0.08	0.64	0.96	0.01	0.01	0.01	472.05	0.15	0.01
Aerial Lifts	2023	750	0.17	1.27	1.00	0.04	0.04	0.01	568.30	0.02	0.01
Air Compressors	2023	15	0.70	4.36	3.51	0.19	0.19	0.01	568.30	0.06	0.01
Air Compressors	2023	25	0.73	4.45	2.41	0.19	0.19	0.01	568.30	0.07	0.01
Air Compressors	2023	50	0.75	3.98	4.91	0.16	0.16	0.01	568.30	0.07	0.01
Air Compressors	2023	120	0.39	2.63	3.66	0.14	0.14	0.01	568.30	0.03	0.01
Air Compressors	2023	175	0.30	1.75	3.20	0.09	0.09	0.01	568.30	0.03	0.01
Air Compressors	2023	250	0.24	1.42	1.10	0.05	0.05	0.01	568.30	0.02	0.01
Air Compressors	2023	500	0.24	1.31	1.06	0.04	0.04	0.01	568.30	0.02	0.01
Air Compressors	2023	750	0.24	1.33	1.06	0.04	0.04	0.01	568.30	0.02	0.01
Air Compressors	2023	1000	0.26	3.22	1.10	0.07	0.07	0.01	568.30	0.02	0.01
Bore/Drill Rigs	2023	15	0.61	4.21	4.31	0.23	0.21	0.01	531.99	0.17	0.01
Bore/Drill Rigs	2023	25	0.61	4.21	4.31	0.23	0.21	0.01	531.99	0.17	0.01
Bore/Drill Rigs	2023	50	0.61	4.21	4.31	0.23	0.21	0.01	531.99	0.17	0.01
Bore/Drill Rigs	2023	120	0.19	2.36	3.26	0.10	0.09	0.01	461.21	0.15	0.01
Bore/Drill Rigs	2023	175	0.13	1.08	2.97	0.05	0.04	0.01	479.65	0.16	0.01
Bore/Drill Rigs	2023	250	0.11	1.05	1.04	0.03	0.03	0.01	469.71	0.15	0.01
Bore/Drill Rigs	2023	500	0.10	0.90	0.99	0.03	0.03	0.01	464.04	0.15	0.01
Bore/Drill Rigs	2023	750	0.09	0.72	0.98	0.03	0.02	0.01	479.22	0.16	0.01
Bore/Drill Rigs	2023	1000	0.05	2.26	0.94	0.02	0.02	0.01	472.02	0.15	0.01
Cement and Mortar Mixers	2023	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2023	25	0.70	4.38	2.36	0.17	0.17	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2023	25	0.69	4.33	2.34	0.16	0.16	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2023	50	0.61	3.82	4.37	0.13	0.13	0.01	568.30	0.05	0.01
Concrete/Industrial Saws	2023	120	0.32	2.48	3.51	0.12	0.12	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2023	175	0.25	1.60	3.07	0.08	0.08	0.01	568.30	0.02	0.01
Cranes	2023	50	2.05	5.92	7.45	0.61	0.56	0.01	517.87	0.17	0.01
Cranes	2023	120	0.55	4.87	3.94	0.32	0.30	0.01	469.89	0.15	0.01
Cranes	2023	175	0.42	4.22	3.44	0.22	0.21	0.01	474.60	0.15	0.01
Cranes	2023	250	0.30	3.23	1.55	0.14	0.12	0.01	472.97	0.15	0.01
Cranes	2023	500	0.24	2.51	2.01	0.10	0.09	0.01	472.29	0.15	0.01
Cranes	2023	750	0.20	2.07	1.28	0.08	0.08	0.01	470.25	0.15	0.01
Cranes	2023	9999	0.21	2.40	1.02	0.06	0.06	0.01	472.05	0.15	0.01
Crawler Tractors	2023	50	1.87	5.33	7.03	0.53	0.48	0.01	516.16	0.17	0.01
Crawler Tractors	2023	120	0.56	4.76	3.89	0.37	0.34	0.01	476.16	0.15	0.01
Crawler Tractors	2023	175	0.35	3.33	3.24	0.19	0.17	0.01	471.78	0.15	0.01
Crawler Tractors	2023	250	0.28	3.19	1.40	0.12	0.11	0.01	471.62	0.15	0.01
Crawler Tractors	2023	500	0.24	2.48	1.85	0.10	0.09	0.01	474.61	0.15	0.01
Crawler Tractors	2023	750	0.18	1.87	1.16	0.07	0.06	0.01	472.53	0.15	0.01
Crawler Tractors	2023	1000	0.27	4.77	1.61	0.12	0.11	0.01	473.67	0.15	0.01
Crushing/Proc. Equipment	2023	50	0.74	3.96	5.04	0.15	0.15	0.01	568.30	0.07	0.01
Crushing/Proc. Equipment	2023	120	0.39	2.55	3.70	0.13	0.13	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2023	175	0.30	1.65	3.24	0.08	0.08	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2023	250	0.25	1.33	1.11	0.04	0.04	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2023	500	0.24	1.23	1.06	0.04	0.04	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2023	750	0.24	1.25	1.07	0.04	0.04	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2023	9999	0.29	3.16	1.11	0.07	0.07	0.01	568.30	0.03	0.01
Dumpers/Tenders	2023	25	0.69	4.33	2.34	0.16	0.16	0.01	568.30	0.06	0.01
Excavators	2023	25	0.45	3.59	4.23	0.14	0.13	0.01	525.43	0.17	0.01
Excavators	2023	50	0.45	3.59	4.23	0.14	0.13	0.01	525.43	0.17	0.01
Excavators	2023	120	0.23	2.38	3.45	0.12	0.11	0.01	467.16	0.15	0.01
Excavators	2023	175	0.18	1.46	3.08	0.07	0.07	0.01	472.28	0.15	0.01

Construction Equipment Emission Factors - CY 2023

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Excavators	2023	250	0.14	1.21	1.09	0.04	0.04	0.01	472.21	0.15	0.01
Excavators	2023	500	0.12	0.89	1.05	0.03	0.03	0.01	469.89	0.15	0.01
Excavators	2023	750	0.14	1.16	1.13	0.04	0.04	0.01	468.68	0.15	0.01
Forklifts	2023	50	0.77	4.15	5.17	0.23	0.21	0.01	525.48	0.17	0.01
Forklifts	2023	120	0.33	3.06	3.65	0.19	0.17	0.01	471.53	0.15	0.01
Forklifts	2023	175	0.24	2.11	3.18	0.11	0.10	0.01	472.11	0.15	0.01
Forklifts	2023	250	0.20	1.81	1.24	0.07	0.06	0.01	473.33	0.15	0.01
Forklifts	2023	500	0.22	1.79	1.22	0.07	0.06	0.01	473.62	0.15	0.01
Generator Sets	2023	15	0.62	4.35	3.51	0.19	0.19	0.01	568.30	0.06	0.01
Generator Sets	2023	25	0.70	4.45	2.41	0.18	0.18	0.01	568.30	0.06	0.01
Generator Sets	2023	50	0.51	3.69	3.82	0.12	0.12	0.01	568.30	0.05	0.01
Generator Sets	2023	120	0.28	2.48	3.35	0.12	0.12	0.01	568.30	0.03	0.01
Generator Sets	2023	175	0.21	1.64	2.93	0.07	0.07	0.01	568.30	0.02	0.01
Generator Sets	2023	250	0.16	1.33	1.01	0.04	0.04	0.01	568.30	0.01	0.01
Generator Sets	2023	500	0.16	1.23	0.99	0.04	0.04	0.01	568.30	0.01	0.01
Generator Sets	2023	750	0.16	1.25	0.99	0.04	0.04	0.01	568.30	0.01	0.01
Generator Sets	2023	9999	0.19	3.06	1.03	0.06	0.06	0.01	568.30	0.02	0.01
Graders	2023	50	1.95	5.15	7.19	0.55	0.51	0.01	494.02	0.16	0.01
Graders	2023	120	0.72	5.74	4.23	0.44	0.40	0.01	469.29	0.15	0.01
Graders	2023	175	0.39	3.55	3.45	0.20	0.18	0.01	478.46	0.16	0.01
Graders	2023	250	0.28	3.44	1.25	0.11	0.10	0.01	473.93	0.15	0.01
Graders	2023	500	0.31	2.70	1.38	0.11	0.10	0.01	471.03	0.15	0.01
Graders	2023	750	0.28	1.43	1.17	0.05	0.05	0.01	568.30	0.02	0.01
Off-Highway Tractors	2023	120	0.32	3.10	3.69	0.19	0.17	0.01	476.09	0.15	0.01
Off-Highway Tractors	2023	175	0.20	1.78	3.14	0.09	0.08	0.01	473.00	0.15	0.01
Off-Highway Tractors	2023	250	0.17	1.49	1.14	0.05	0.05	0.01	470.85	0.15	0.01
Off-Highway Tractors	2023	750	0.17	1.29	1.12	0.05	0.05	0.01	471.93	0.15	0.01
Off-Highway Tractors	2023	1000	0.18	2.45	1.06	0.07	0.06	0.01	472.05	0.15	0.01
Off-Highway Trucks	2023	175	0.24	1.68	3.30	0.08	0.07	0.01	470.29	0.15	0.01
Off-Highway Trucks	2023	250	0.21	1.46	1.27	0.06	0.05	0.01	469.45	0.15	0.01
Off-Highway Trucks	2023	500	0.19	1.32	1.22	0.05	0.04	0.01	475.05	0.15	0.01
Off-Highway Trucks	2023	750	0.26	2.18	1.72	0.08	0.08	0.01	473.77	0.15	0.01
Off-Highway Trucks	2023	1000	0.21	3.54	1.19	0.07	0.07	0.01	472.86	0.15	0.01
Other Construction Equipment	2023	15	0.87	4.59	5.07	0.32	0.30	0.01	529.34	0.17	0.01
Other Construction Equipment	2023	25	0.87	4.59	5.07	0.32	0.30	0.01	529.34	0.17	0.01
Other Construction Equipment	2023	50	0.87	4.59	5.07	0.32	0.30	0.01	529.34	0.17	0.01
Other Construction Equipment	2023	120	0.41	3.79	3.63	0.26	0.24	0.01	471.99	0.15	0.01
Other Construction Equipment	2023	175	0.27	2.70	3.14	0.14	0.13	0.01	469.56	0.15	0.01
Other Construction Equipment	2023	500	0.18	1.81	1.40	0.07	0.06	0.01	476.18	0.15	0.01
Other General Industrial Equipment	2023	15	0.60	3.99	4.88	0.19	0.18	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2023	25	0.60	3.99	4.88	0.19	0.18	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2023	50	0.60	3.99	4.88	0.19	0.18	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2023	120	0.31	2.92	3.65	0.17	0.16	0.01	470.00	0.15	0.01
Other General Industrial Equipment	2023	175	0.20	1.61	3.17	0.08	0.07	0.01	471.85	0.15	0.01
Other General Industrial Equipment	2023	250	0.18	1.53	1.14	0.05	0.05	0.01	473.22	0.15	0.01
Other General Industrial Equipment	2023	500	0.16	1.26	1.12	0.04	0.04	0.01	472.93	0.15	0.01
Other General Industrial Equipment	2023	750	0.11	0.63	1.10	0.02	0.02	0.01	473.46	0.15	0.01
Other General Industrial Equipment	2023	1000	0.19	3.96	1.05	0.08	0.07	0.01	472.05	0.15	0.01
Other Material Handling Equipment	2023	50	1.01	4.68	5.76	0.34	0.31	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2023	120	0.23	2.30	3.52	0.10	0.10	0.01	473.59	0.15	0.01
Other Material Handling Equipment	2023	175	0.22	1.77	3.17	0.10	0.09	0.01	472.22	0.15	0.01
Other Material Handling Equipment	2023	250	0.21	2.00	1.21	0.07	0.06	0.01	471.48	0.15	0.01
Other Material Handling Equipment	2023	500	0.22	1.87	1.34	0.08	0.07	0.01	470.30	0.15	0.01
Other Material Handling Equipment	2023	9999	0.05	2.27	0.94	0.02	0.02	0.01	472.05	0.15	0.01
Pavers	2023	25	1.01	4.28	5.01	0.30	0.28	0.01	526.86	0.17	0.01
Pavers	2023	50	1.01	4.28	5.01	0.30	0.28	0.01	526.86	0.17	0.01

Construction Equipment Emission Factors - CY 2023

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Pavers	2023	120	0.35	3.43	3.51	0.23	0.21	0.01	470.08	0.15	0.01
Pavers	2023	175	0.20	1.96	2.99	0.09	0.09	0.01	472.72	0.15	0.01
Pavers	2023	250	0.13	1.61	1.01	0.05	0.04	0.01	472.61	0.15	0.01
Pavers	2023	500	0.15	1.77	0.99	0.06	0.06	0.01	466.00	0.15	0.01
Paving Equipment	2023	25	0.54	3.77	4.24	0.17	0.16	0.01	521.11	0.17	0.01
Paving Equipment	2023	50	0.54	3.77	4.24	0.17	0.16	0.01	521.11	0.17	0.01
Paving Equipment	2023	120	0.28	2.84	3.50	0.15	0.14	0.01	473.43	0.15	0.01
Paving Equipment	2023	175	0.20	1.91	3.05	0.09	0.09	0.01	470.66	0.15	0.01
Paving Equipment	2023	250	0.18	1.88	1.17	0.07	0.07	0.01	472.17	0.15	0.01
Plate Compactors	2023	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Pressure Washers	2023	15	0.62	4.35	3.51	0.19	0.19	0.01	568.30	0.06	0.01
Pressure Washers	2023	25	0.70	4.45	2.41	0.18	0.18	0.01	568.30	0.06	0.01
Pressure Washers	2023	50	0.36	3.54	3.26	0.10	0.10	0.01	568.30	0.03	0.01
Pressure Washers	2023	120	0.22	2.38	3.20	0.10	0.10	0.01	568.30	0.02	0.01
Pressure Washers	2023	175	0.21	1.67	2.91	0.07	0.07	0.01	568.30	0.02	0.01
Pressure Washers	2023	250	0.10	0.27	0.99	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2023	15	0.70	4.36	3.51	0.19	0.19	0.01	568.30	0.06	0.01
Pumps	2023	25	0.73	4.45	2.41	0.19	0.19	0.01	568.30	0.07	0.01
Pumps	2023	50	0.57	3.73	4.01	0.13	0.13	0.01	568.30	0.05	0.01
Pumps	2023	120	0.30	2.51	3.40	0.12	0.12	0.01	568.30	0.03	0.01
Pumps	2023	175	0.23	1.66	2.97	0.08	0.08	0.01	568.30	0.02	0.01
Pumps	2023	250	0.18	1.35	1.02	0.04	0.04	0.01	568.30	0.02	0.01
Pumps	2023	500	0.17	1.25	1.00	0.04	0.04	0.01	568.30	0.02	0.01
Pumps	2023	750	0.17	1.27	1.00	0.04	0.04	0.01	568.30	0.02	0.01
Pumps	2023	9999	0.21	3.09	1.04	0.06	0.06	0.01	568.30	0.02	0.01
Rollers	2023	15	0.66	3.92	4.25	0.21	0.20	0.01	525.86	0.17	0.01
Rollers	2023	25	0.66	3.92	4.25	0.21	0.20	0.01	525.86	0.17	0.01
Rollers	2023	50	0.66	3.92	4.25	0.21	0.20	0.01	525.86	0.17	0.01
Rollers	2023	120	0.29	3.00	3.45	0.17	0.15	0.01	473.94	0.15	0.01
Rollers	2023	175	0.15	1.48	2.91	0.07	0.06	0.01	471.94	0.15	0.01
Rollers	2023	250	0.19	2.17	1.23	0.08	0.07	0.01	473.52	0.15	0.01
Rollers	2023	500	0.21	2.29	1.96	0.09	0.09	0.01	478.30	0.16	0.01
Rough Terrain Forklifts	2023	50	0.69	3.85	4.13	0.20	0.19	0.01	524.80	0.17	0.01
Rough Terrain Forklifts	2023	120	0.15	1.98	3.24	0.06	0.06	0.01	473.16	0.15	0.01
Rough Terrain Forklifts	2023	175	0.11	1.22	2.84	0.04	0.04	0.01	471.62	0.15	0.01
Rough Terrain Forklifts	2023	250	0.12	1.47	0.99	0.03	0.03	0.01	472.78	0.15	0.01
Rough Terrain Forklifts	2023	500	0.07	0.56	0.94	0.01	0.01	0.01	466.55	0.15	0.01
Rubber Tired Dozers	2023	175	0.59	5.66	3.77	0.32	0.29	0.01	473.90	0.15	0.01
Rubber Tired Dozers	2023	250	0.39	4.09	1.78	0.18	0.17	0.01	474.60	0.15	0.01
Rubber Tired Dozers	2023	500	0.45	4.41	3.69	0.20	0.19	0.01	479.47	0.16	0.01
Rubber Tired Dozers	2023	750	0.42	5.33	2.59	0.20	0.18	0.01	473.02	0.15	0.01
Rubber Tired Dozers	2023	1000	0.45	4.71	1.87	0.13	0.13	0.01	568.30	0.04	0.01
Rubber Tired Loaders	2023	25	1.05	4.52	5.97	0.30	0.28	0.01	524.30	0.17	0.01
Rubber Tired Loaders	2023	50	1.05	4.52	5.97	0.30	0.28	0.01	524.30	0.17	0.01
Rubber Tired Loaders	2023	120	0.41	3.51	3.83	0.24	0.22	0.01	466.56	0.15	0.01
Rubber Tired Loaders	2023	175	0.27	2.20	3.29	0.12	0.11	0.01	470.66	0.15	0.01
Rubber Tired Loaders	2023	250	0.21	2.06	1.17	0.07	0.06	0.01	469.82	0.15	0.01
Rubber Tired Loaders	2023	500	0.22	1.87	1.38	0.07	0.06	0.01	468.47	0.15	0.01
Rubber Tired Loaders	2023	750	0.23	1.93	1.32	0.07	0.07	0.01	464.56	0.15	0.01
Rubber Tired Loaders	2023	1000	0.19	3.53	1.17	0.07	0.07	0.01	472.30	0.15	0.01
Scrapers	2023	120	0.63	6.03	4.14	0.46	0.42	0.01	483.03	0.16	0.01
Scrapers	2023	175	0.36	3.48	3.40	0.18	0.17	0.01	478.68	0.16	0.01
Scrapers	2023	250	0.32	3.28	1.68	0.14	0.13	0.01	469.56	0.15	0.01
Scrapers	2023	500	0.25	2.67	1.98	0.11	0.10	0.01	473.18	0.15	0.01
Scrapers	2023	750	0.22	2.39	1.51	0.09	0.08	0.01	471.30	0.15	0.01
Signal Boards	2023	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01

Construction Equipment Emission Factors - CY 2023

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Signal Boards	2023	50	0.60	3.77	4.28	0.13	0.13	0.01	568.30	0.05	0.01
Signal Boards	2023	120	0.32	2.47	3.48	0.12	0.12	0.01	568.30	0.03	0.01
Signal Boards	2023	175	0.24	1.60	3.05	0.08	0.08	0.01	568.30	0.02	0.01
Signal Boards	2023	250	0.24	1.56	1.26	0.05	0.05	0.01	686.70	0.02	0.02
Skid Steer Loaders	2023	25	0.35	3.37	3.65	0.09	0.09	0.01	527.42	0.17	0.01
Skid Steer Loaders	2023	50	0.35	3.37	3.65	0.09	0.09	0.01	527.42	0.17	0.01
Skid Steer Loaders	2023	120	0.15	2.04	3.27	0.07	0.06	0.01	472.66	0.15	0.01
Surfacing Equipment	2023	50	0.44	3.92	3.83	0.16	0.14	0.01	535.93	0.17	0.01
Surfacing Equipment	2023	120	0.27	3.06	3.40	0.16	0.14	0.01	474.47	0.15	0.01
Surfacing Equipment	2023	175	0.22	2.46	2.91	0.12	0.11	0.01	470.01	0.15	0.01
Surfacing Equipment	2023	250	0.19	2.50	1.22	0.08	0.08	0.01	476.96	0.15	0.01
Surfacing Equipment	2023	500	0.13	1.48	1.16	0.06	0.05	0.01	470.37	0.15	0.01
Surfacing Equipment	2023	750	0.10	1.08	0.99	0.04	0.04	0.01	472.45	0.15	0.01
Sweepers/Scrubbers	2023	15	0.76	4.13	4.97	0.25	0.23	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2023	25	0.76	4.13	4.97	0.25	0.23	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2023	50	0.76	4.13	4.97	0.25	0.23	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2023	120	0.35	3.29	3.69	0.21	0.19	0.01	474.12	0.15	0.01
Sweepers/Scrubbers	2023	175	0.29	2.61	3.22	0.13	0.12	0.01	473.12	0.15	0.01
Sweepers/Scrubbers	2023	250	0.16	1.61	1.11	0.05	0.05	0.01	470.13	0.15	0.01
Tractors/Loaders/Backhoes	2023	25	0.62	3.86	4.63	0.19	0.17	0.01	513.80	0.17	0.01
Tractors/Loaders/Backhoes	2023	50	0.62	3.86	4.63	0.19	0.17	0.01	513.80	0.17	0.01
Tractors/Loaders/Backhoes	2023	120	0.24	2.43	3.53	0.12	0.11	0.01	476.43	0.15	0.01
Tractors/Loaders/Backhoes	2023	175	0.18	1.52	3.08	0.08	0.07	0.01	468.82	0.15	0.01
Tractors/Loaders/Backhoes	2023	250	0.17	1.59	1.15	0.06	0.05	0.01	469.75	0.15	0.01
Tractors/Loaders/Backhoes	2023	500	0.15	1.25	1.28	0.05	0.04	0.01	469.47	0.15	0.01
Tractors/Loaders/Backhoes	2023	750	0.23	2.42	1.36	0.10	0.09	0.01	466.68	0.15	0.01
Trenchers	2023	15	0.64	3.96	4.30	0.22	0.20	0.01	527.10	0.17	0.01
Trenchers	2023	25	0.64	3.96	4.30	0.22	0.20	0.01	527.10	0.17	0.01
Trenchers	2023	50	0.64	3.96	4.30	0.22	0.20	0.01	527.10	0.17	0.01
Trenchers	2023	120	0.50	4.70	3.77	0.33	0.30	0.01	475.69	0.15	0.01
Trenchers	2023	175	0.36	3.66	3.29	0.19	0.17	0.01	467.73	0.15	0.01
Trenchers	2023	250	0.33	3.74	1.64	0.16	0.14	0.01	473.85	0.15	0.01
Trenchers	2023	500	0.20	2.01	1.72	0.09	0.08	0.01	471.61	0.15	0.01
Trenchers	2023	750	0.06	0.30	0.95	0.01	0.01	0.01	474.47	0.15	0.01

Construction Equipment Emission Factors - CY 2024

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Aerial Lifts	2024	15	0.16	2.89	3.11	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2024	25	0.16	2.89	3.11	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2024	50	0.16	2.89	3.11	0.02	0.02	0.01	525.07	0.17	0.01
Aerial Lifts	2024	120	0.10	1.53	3.17	0.03	0.02	0.01	472.11	0.15	0.01
Aerial Lifts	2024	500	0.08	0.65	0.97	0.01	0.01	0.01	472.05	0.15	0.01
Aerial Lifts	2024	750	0.16	1.12	0.99	0.03	0.03	0.01	568.30	0.01	0.01
Air Compressors	2024	15	0.69	4.32	3.50	0.19	0.19	0.01	568.30	0.06	0.01
Air Compressors	2024	25	0.72	4.43	2.39	0.18	0.18	0.01	568.30	0.06	0.01
Air Compressors	2024	50	0.70	3.86	4.88	0.14	0.14	0.01	568.30	0.06	0.01
Air Compressors	2024	120	0.37	2.46	3.66	0.12	0.12	0.01	568.30	0.03	0.01
Air Compressors	2024	175	0.29	1.56	3.20	0.08	0.08	0.01	568.30	0.03	0.01
Air Compressors	2024	250	0.23	1.25	1.10	0.04	0.04	0.01	568.30	0.02	0.01
Air Compressors	2024	500	0.23	1.15	1.05	0.04	0.04	0.01	568.30	0.02	0.01
Air Compressors	2024	750	0.23	1.17	1.05	0.04	0.04	0.01	568.30	0.02	0.01
Air Compressors	2024	1000	0.24	3.08	1.09	0.06	0.06	0.01	568.30	0.02	0.01
Bore/Drill Rigs	2024	15	0.61	4.16	4.33	0.22	0.20	0.01	529.87	0.17	0.01
Bore/Drill Rigs	2024	25	0.61	4.16	4.33	0.22	0.20	0.01	529.87	0.17	0.01
Bore/Drill Rigs	2024	50	0.61	4.16	4.33	0.22	0.20	0.01	529.87	0.17	0.01
Bore/Drill Rigs	2024	120	0.18	2.22	3.25	0.09	0.08	0.01	461.21	0.15	0.01
Bore/Drill Rigs	2024	175	0.13	1.03	2.98	0.05	0.04	0.01	478.94	0.16	0.01
Bore/Drill Rigs	2024	250	0.11	0.98	1.05	0.03	0.03	0.01	470.71	0.15	0.01
Bore/Drill Rigs	2024	500	0.10	0.86	0.99	0.03	0.03	0.01	464.48	0.15	0.01
Bore/Drill Rigs	2024	750	0.09	0.67	0.98	0.03	0.02	0.01	480.22	0.16	0.01
Bore/Drill Rigs	2024	1000	0.06	2.27	0.94	0.02	0.02	0.01	471.93	0.15	0.01
Cement and Mortar Mixers	2024	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Cement and Mortar Mixers	2024	25	0.69	4.37	2.35	0.17	0.17	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2024	25	0.69	4.33	2.34	0.16	0.16	0.01	568.30	0.06	0.01
Concrete/Industrial Saws	2024	50	0.56	3.70	4.33	0.12	0.12	0.01	568.30	0.05	0.01
Concrete/Industrial Saws	2024	120	0.30	2.32	3.50	0.11	0.11	0.01	568.30	0.03	0.01
Concrete/Industrial Saws	2024	175	0.24	1.42	3.07	0.07	0.07	0.01	568.30	0.02	0.01
Cranes	2024	50	1.94	5.79	7.27	0.58	0.53	0.01	517.87	0.17	0.01
Cranes	2024	120	0.52	4.62	3.91	0.30	0.28	0.01	469.90	0.15	0.01
Cranes	2024	175	0.38	3.70	3.39	0.20	0.18	0.01	474.64	0.15	0.01
Cranes	2024	250	0.28	2.97	1.50	0.12	0.11	0.01	472.96	0.15	0.01
Cranes	2024	500	0.23	2.38	1.93	0.10	0.09	0.01	472.07	0.15	0.01
Cranes	2024	750	0.19	1.90	1.28	0.08	0.07	0.01	470.33	0.15	0.01
Cranes	2024	9999	0.22	2.41	1.03	0.06	0.06	0.01	472.05	0.15	0.01
Crawler Tractors	2024	50	1.76	4.98	6.68	0.47	0.43	0.01	515.47	0.17	0.01
Crawler Tractors	2024	120	0.51	4.41	3.85	0.34	0.31	0.01	476.23	0.15	0.01
Crawler Tractors	2024	175	0.33	3.04	3.23	0.17	0.16	0.01	471.83	0.15	0.01
Crawler Tractors	2024	250	0.26	2.95	1.37	0.12	0.11	0.01	471.86	0.15	0.01
Crawler Tractors	2024	500	0.23	2.24	1.78	0.09	0.09	0.01	474.03	0.15	0.01
Crawler Tractors	2024	750	0.18	1.77	1.16	0.07	0.06	0.01	472.28	0.15	0.01
Crawler Tractors	2024	1000	0.26	4.69	1.59	0.12	0.11	0.01	474.64	0.15	0.01
Crushing/Proc. Equipment	2024	50	0.69	3.85	5.01	0.13	0.13	0.01	568.30	0.06	0.01
Crushing/Proc. Equipment	2024	120	0.36	2.39	3.70	0.11	0.11	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2024	175	0.29	1.47	3.24	0.07	0.07	0.01	568.30	0.03	0.01
Crushing/Proc. Equipment	2024	250	0.24	1.17	1.11	0.04	0.04	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2024	500	0.23	1.08	1.06	0.04	0.04	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2024	750	0.23	1.10	1.06	0.04	0.04	0.01	568.30	0.02	0.01
Crushing/Proc. Equipment	2024	9999	0.27	3.03	1.10	0.06	0.06	0.01	568.30	0.02	0.01
Dumpers/Tenders	2024	25	0.69	4.33	2.34	0.16	0.16	0.01	568.30	0.06	0.01
Excavators	2024	25	0.42	3.51	4.21	0.12	0.11	0.01	525.98	0.17	0.01
Excavators	2024	50	0.42	3.51	4.21	0.12	0.11	0.01	525.98	0.17	0.01
Excavators	2024	120	0.22	2.25	3.45	0.10	0.09	0.01	467.38	0.15	0.01
Excavators	2024	175	0.17	1.32	3.08	0.07	0.06	0.01	472.43	0.15	0.01

Construction Equipment Emission Factors - CY 2024

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Excavators	2024	250	0.14	1.11	1.09	0.04	0.03	0.01	472.44	0.15	0.01
Excavators	2024	500	0.12	0.83	1.05	0.03	0.03	0.01	469.71	0.15	0.01
Excavators	2024	750	0.14	1.10	1.13	0.04	0.04	0.01	468.65	0.15	0.01
Forklifts	2024	50	0.69	4.04	5.09	0.20	0.19	0.01	525.48	0.17	0.01
Forklifts	2024	120	0.30	2.81	3.63	0.16	0.15	0.01	471.53	0.15	0.01
Forklifts	2024	175	0.22	1.86	3.17	0.10	0.09	0.01	472.11	0.15	0.01
Forklifts	2024	250	0.20	1.63	1.22	0.06	0.06	0.01	473.33	0.15	0.01
Forklifts	2024	500	0.22	1.72	1.22	0.07	0.06	0.01	473.62	0.15	0.01
Generator Sets	2024	15	0.61	4.31	3.50	0.18	0.18	0.01	568.30	0.06	0.01
Generator Sets	2024	25	0.70	4.43	2.39	0.18	0.18	0.01	568.30	0.06	0.01
Generator Sets	2024	50	0.48	3.58	3.79	0.11	0.11	0.01	568.30	0.04	0.01
Generator Sets	2024	120	0.26	2.32	3.34	0.10	0.10	0.01	568.30	0.02	0.01
Generator Sets	2024	175	0.20	1.46	2.93	0.06	0.06	0.01	568.30	0.02	0.01
Generator Sets	2024	250	0.16	1.17	1.00	0.03	0.03	0.01	568.30	0.01	0.01
Generator Sets	2024	500	0.15	1.08	0.98	0.03	0.03	0.01	568.30	0.01	0.01
Generator Sets	2024	750	0.15	1.10	0.98	0.03	0.03	0.01	568.30	0.01	0.01
Generator Sets	2024	9999	0.18	2.93	1.02	0.05	0.05	0.01	568.30	0.02	0.01
Graders	2024	50	1.85	5.03	7.05	0.52	0.48	0.01	493.79	0.16	0.01
Graders	2024	120	0.68	5.43	4.20	0.41	0.38	0.01	469.82	0.15	0.01
Graders	2024	175	0.36	3.20	3.43	0.18	0.16	0.01	478.50	0.16	0.01
Graders	2024	250	0.26	3.07	1.22	0.10	0.09	0.01	473.67	0.15	0.01
Graders	2024	500	0.29	2.43	1.36	0.10	0.09	0.01	470.27	0.15	0.01
Graders	2024	750	0.26	1.27	1.16	0.05	0.05	0.01	568.30	0.02	0.01
Off-Highway Tractors	2024	120	0.30	2.95	3.69	0.17	0.16	0.01	476.37	0.15	0.01
Off-Highway Tractors	2024	175	0.18	1.50	3.13	0.07	0.07	0.01	473.10	0.15	0.01
Off-Highway Tractors	2024	250	0.17	1.38	1.13	0.05	0.05	0.01	470.69	0.15	0.01
Off-Highway Tractors	2024	750	0.17	1.23	1.13	0.05	0.04	0.01	471.92	0.15	0.01
Off-Highway Tractors	2024	1000	0.19	2.47	1.07	0.07	0.06	0.01	472.05	0.15	0.01
Off-Highway Trucks	2024	175	0.22	1.49	3.32	0.07	0.06	0.01	470.26	0.15	0.01
Off-Highway Trucks	2024	250	0.20	1.36	1.26	0.05	0.05	0.01	469.11	0.15	0.01
Off-Highway Trucks	2024	500	0.18	1.24	1.21	0.04	0.04	0.01	475.22	0.15	0.01
Off-Highway Trucks	2024	750	0.26	2.08	1.65	0.08	0.07	0.01	473.84	0.15	0.01
Off-Highway Trucks	2024	1000	0.21	3.44	1.20	0.07	0.06	0.01	473.10	0.15	0.01
Other Construction Equipment	2024	15	0.83	4.51	5.03	0.31	0.28	0.01	529.21	0.17	0.01
Other Construction Equipment	2024	25	0.83	4.51	5.03	0.31	0.28	0.01	529.21	0.17	0.01
Other Construction Equipment	2024	50	0.83	4.51	5.03	0.31	0.28	0.01	529.21	0.17	0.01
Other Construction Equipment	2024	120	0.38	3.58	3.62	0.24	0.22	0.01	472.13	0.15	0.01
Other Construction Equipment	2024	175	0.26	2.52	3.15	0.13	0.12	0.01	469.54	0.15	0.01
Other Construction Equipment	2024	500	0.18	1.68	1.38	0.06	0.06	0.01	476.48	0.15	0.01
Other General Industrial Equipment	2024	15	0.55	3.86	4.78	0.17	0.15	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2024	25	0.55	3.86	4.78	0.17	0.15	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2024	50	0.55	3.86	4.78	0.17	0.15	0.01	526.18	0.17	0.01
Other General Industrial Equipment	2024	120	0.29	2.71	3.64	0.15	0.13	0.01	470.00	0.15	0.01
Other General Industrial Equipment	2024	175	0.19	1.45	3.19	0.07	0.07	0.01	471.85	0.15	0.01
Other General Industrial Equipment	2024	250	0.17	1.32	1.14	0.05	0.04	0.01	473.22	0.15	0.01
Other General Industrial Equipment	2024	500	0.16	1.15	1.11	0.04	0.04	0.01	472.93	0.15	0.01
Other General Industrial Equipment	2024	750	0.12	0.63	1.11	0.02	0.02	0.01	473.46	0.15	0.01
Other General Industrial Equipment	2024	1000	0.20	3.97	1.06	0.08	0.07	0.01	472.05	0.15	0.01
Other Material Handling Equipment	2024	50	0.94	4.58	5.67	0.31	0.29	0.01	523.71	0.17	0.01
Other Material Handling Equipment	2024	120	0.22	2.22	3.51	0.10	0.09	0.01	473.59	0.15	0.01
Other Material Handling Equipment	2024	175	0.21	1.64	3.18	0.09	0.08	0.01	472.22	0.15	0.01
Other Material Handling Equipment	2024	250	0.21	1.99	1.22	0.07	0.06	0.01	471.48	0.15	0.01
Other Material Handling Equipment	2024	500	0.21	1.76	1.26	0.07	0.07	0.01	470.30	0.15	0.01
Other Material Handling Equipment	2024	9999	0.06	2.28	0.95	0.02	0.02	0.01	472.05	0.15	0.01
Pavers	2024	25	0.95	4.20	4.96	0.28	0.26	0.01	526.86	0.17	0.01
Pavers	2024	50	0.95	4.20	4.96	0.28	0.26	0.01	526.86	0.17	0.01

Construction Equipment Emission Factors - CY 2024

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Pavers	2024	120	0.34	3.28	3.51	0.21	0.20	0.01	470.23	0.15	0.01
Pavers	2024	175	0.19	1.81	3.00	0.08	0.08	0.01	472.66	0.15	0.01
Pavers	2024	250	0.12	1.34	1.01	0.04	0.04	0.01	473.24	0.15	0.01
Pavers	2024	500	0.14	1.55	0.99	0.05	0.05	0.01	467.17	0.15	0.01
Paving Equipment	2024	25	0.52	3.74	4.27	0.16	0.15	0.01	521.06	0.17	0.01
Paving Equipment	2024	50	0.52	3.74	4.27	0.16	0.15	0.01	521.06	0.17	0.01
Paving Equipment	2024	120	0.26	2.67	3.50	0.14	0.13	0.01	473.17	0.15	0.01
Paving Equipment	2024	175	0.20	1.79	3.07	0.09	0.08	0.01	470.66	0.15	0.01
Paving Equipment	2024	250	0.14	1.30	1.11	0.05	0.04	0.01	472.21	0.15	0.01
Plate Compactors	2024	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01
Pressure Washers	2024	15	0.61	4.31	3.50	0.18	0.18	0.01	568.30	0.06	0.01
Pressure Washers	2024	25	0.70	4.43	2.39	0.18	0.18	0.01	568.30	0.06	0.01
Pressure Washers	2024	50	0.33	3.44	3.23	0.09	0.09	0.01	568.30	0.03	0.01
Pressure Washers	2024	120	0.20	2.23	3.19	0.08	0.08	0.01	568.30	0.02	0.01
Pressure Washers	2024	175	0.19	1.48	2.91	0.06	0.06	0.01	568.30	0.02	0.01
Pressure Washers	2024	250	0.10	0.27	0.99	0.01	0.01	0.01	568.30	0.01	0.01
Pumps	2024	15	0.69	4.32	3.50	0.19	0.19	0.01	568.30	0.06	0.01
Pumps	2024	25	0.72	4.43	2.39	0.18	0.18	0.01	568.30	0.06	0.01
Pumps	2024	50	0.52	3.63	3.97	0.11	0.11	0.01	568.30	0.05	0.01
Pumps	2024	120	0.28	2.35	3.39	0.11	0.11	0.01	568.30	0.03	0.01
Pumps	2024	175	0.21	1.49	2.97	0.07	0.07	0.01	568.30	0.02	0.01
Pumps	2024	250	0.17	1.19	1.02	0.03	0.03	0.01	568.30	0.02	0.01
Pumps	2024	500	0.16	1.10	0.99	0.03	0.03	0.01	568.30	0.01	0.01
Pumps	2024	750	0.16	1.12	0.99	0.03	0.03	0.01	568.30	0.01	0.01
Pumps	2024	9999	0.20	2.96	1.03	0.05	0.05	0.01	568.30	0.02	0.01
Rollers	2024	15	0.62	3.82	4.21	0.19	0.18	0.01	525.96	0.17	0.01
Rollers	2024	25	0.62	3.82	4.21	0.19	0.18	0.01	525.96	0.17	0.01
Rollers	2024	50	0.62	3.82	4.21	0.19	0.18	0.01	525.96	0.17	0.01
Rollers	2024	120	0.27	2.84	3.45	0.15	0.14	0.01	474.01	0.15	0.01
Rollers	2024	175	0.14	1.32	2.91	0.06	0.06	0.01	472.01	0.15	0.01
Rollers	2024	250	0.18	1.98	1.21	0.07	0.06	0.01	473.51	0.15	0.01
Rollers	2024	500	0.21	2.22	1.96	0.09	0.08	0.01	477.90	0.16	0.01
Rough Terrain Forklifts	2024	50	0.57	3.65	3.92	0.17	0.15	0.01	524.92	0.17	0.01
Rough Terrain Forklifts	2024	120	0.15	1.91	3.24	0.06	0.05	0.01	473.06	0.15	0.01
Rough Terrain Forklifts	2024	175	0.10	1.04	2.83	0.04	0.04	0.01	471.53	0.15	0.01
Rough Terrain Forklifts	2024	250	0.12	1.48	1.00	0.04	0.03	0.01	472.85	0.15	0.01
Rough Terrain Forklifts	2024	500	0.07	0.48	0.94	0.01	0.01	0.01	466.55	0.15	0.01
Rubber Tired Dozers	2024	175	0.53	5.01	3.70	0.28	0.26	0.01	473.51	0.15	0.01
Rubber Tired Dozers	2024	250	0.40	4.09	1.80	0.18	0.17	0.01	474.59	0.15	0.01
Rubber Tired Dozers	2024	500	0.42	4.03	3.46	0.18	0.17	0.01	479.39	0.16	0.01
Rubber Tired Dozers	2024	750	0.43	5.33	2.60	0.20	0.18	0.01	473.01	0.15	0.01
Rubber Tired Dozers	2024	1000	0.43	4.53	1.80	0.12	0.12	0.01	568.30	0.04	0.01
Rubber Tired Loaders	2024	25	1.01	4.47	5.99	0.29	0.26	0.01	524.23	0.17	0.01
Rubber Tired Loaders	2024	50	1.01	4.47	5.99	0.29	0.26	0.01	524.23	0.17	0.01
Rubber Tired Loaders	2024	120	0.40	3.34	3.83	0.22	0.20	0.01	466.81	0.15	0.01
Rubber Tired Loaders	2024	175	0.25	1.88	3.29	0.10	0.09	0.01	470.36	0.15	0.01
Rubber Tired Loaders	2024	250	0.20	1.81	1.16	0.06	0.06	0.01	469.79	0.15	0.01
Rubber Tired Loaders	2024	500	0.21	1.70	1.35	0.06	0.06	0.01	468.51	0.15	0.01
Rubber Tired Loaders	2024	750	0.23	1.88	1.33	0.07	0.07	0.01	464.87	0.15	0.01
Rubber Tired Loaders	2024	1000	0.20	3.54	1.19	0.07	0.07	0.01	472.35	0.15	0.01
Scrapers	2024	120	0.58	5.63	4.09	0.41	0.38	0.01	482.70	0.16	0.01
Scrapers	2024	175	0.34	3.16	3.37	0.17	0.15	0.01	478.81	0.16	0.01
Scrapers	2024	250	0.30	3.01	1.63	0.13	0.12	0.01	469.35	0.15	0.01
Scrapers	2024	500	0.25	2.48	1.92	0.10	0.09	0.01	472.85	0.15	0.01
Scrapers	2024	750	0.21	2.19	1.46	0.08	0.07	0.01	471.43	0.15	0.01
Signal Boards	2024	15	0.66	4.14	3.47	0.16	0.16	0.01	568.30	0.06	0.01

Construction Equipment Emission Factors - CY 2024

Source: CalEEMod version 2016.3.2 (Unmitigated)

Equipment Type	Year	HP	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Signal Boards	2024	50	0.56	3.66	4.25	0.11	0.11	0.01	568.30	0.05	0.01
Signal Boards	2024	120	0.30	2.32	3.47	0.11	0.11	0.01	568.30	0.03	0.01
Signal Boards	2024	175	0.23	1.43	3.05	0.07	0.07	0.01	568.30	0.02	0.01
Signal Boards	2024	250	0.22	1.37	1.26	0.04	0.04	0.01	686.70	0.02	0.02
Skid Steer Loaders	2024	25	0.35	3.35	3.67	0.09	0.08	0.01	527.80	0.17	0.01
Skid Steer Loaders	2024	50	0.35	3.35	3.67	0.09	0.08	0.01	527.80	0.17	0.01
Skid Steer Loaders	2024	120	0.15	1.95	3.26	0.06	0.06	0.01	472.85	0.15	0.01
Surfacing Equipment	2024	50	0.33	3.72	3.66	0.12	0.11	0.01	536.03	0.17	0.01
Surfacing Equipment	2024	120	0.25	2.88	3.39	0.14	0.13	0.01	475.38	0.15	0.01
Surfacing Equipment	2024	175	0.23	2.46	2.93	0.12	0.11	0.01	470.08	0.15	0.01
Surfacing Equipment	2024	250	0.18	2.24	1.18	0.07	0.07	0.01	477.10	0.15	0.01
Surfacing Equipment	2024	500	0.13	1.48	1.17	0.06	0.05	0.01	470.25	0.15	0.01
Surfacing Equipment	2024	750	0.09	0.95	0.98	0.03	0.03	0.01	472.98	0.15	0.01
Sweepers/Scrubbers	2024	15	0.75	4.08	5.00	0.24	0.22	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2024	25	0.75	4.08	5.00	0.24	0.22	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2024	50	0.75	4.08	5.00	0.24	0.22	0.01	525.33	0.17	0.01
Sweepers/Scrubbers	2024	120	0.33	3.10	3.69	0.19	0.17	0.01	474.12	0.15	0.01
Sweepers/Scrubbers	2024	175	0.27	2.25	3.23	0.11	0.10	0.01	473.12	0.15	0.01
Sweepers/Scrubbers	2024	250	0.16	1.61	1.13	0.05	0.05	0.01	470.13	0.15	0.01
Tractors/Loaders/Backhoes	2024	25	0.59	3.77	4.61	0.17	0.15	0.01	513.85	0.17	0.01
Tractors/Loaders/Backhoes	2024	50	0.59	3.77	4.61	0.17	0.15	0.01	513.85	0.17	0.01
Tractors/Loaders/Backhoes	2024	120	0.23	2.29	3.53	0.11	0.10	0.01	476.73	0.15	0.01
Tractors/Loaders/Backhoes	2024	175	0.18	1.38	3.09	0.07	0.06	0.01	469.40	0.15	0.01
Tractors/Loaders/Backhoes	2024	250	0.17	1.49	1.15	0.05	0.05	0.01	469.91	0.15	0.01
Tractors/Loaders/Backhoes	2024	500	0.15	1.16	1.28	0.04	0.04	0.01	470.08	0.15	0.01
Tractors/Loaders/Backhoes	2024	750	0.22	2.22	1.31	0.09	0.08	0.01	466.64	0.15	0.01
Trenchers	2024	15	0.60	3.83	4.23	0.20	0.18	0.01	527.02	0.17	0.01
Trenchers	2024	25	0.60	3.83	4.23	0.20	0.18	0.01	527.02	0.17	0.01
Trenchers	2024	50	0.60	3.83	4.23	0.20	0.18	0.01	527.02	0.17	0.01
Trenchers	2024	120	0.49	4.59	3.77	0.32	0.29	0.01	475.63	0.15	0.01
Trenchers	2024	175	0.36	3.67	3.31	0.19	0.17	0.01	467.73	0.15	0.01
Trenchers	2024	250	0.31	3.48	1.60	0.15	0.13	0.01	473.85	0.15	0.01
Trenchers	2024	500	0.19	1.86	1.67	0.08	0.07	0.01	469.99	0.15	0.01
Trenchers	2024	750	0.06	0.30	0.96	0.01	0.01	0.01	474.48	0.15	0.01

CalEEMod Construction Equipment Defaults

Source: CalEEMod version 2016.3.2

OFFROAD Equipment Type	Horsepower	CMOD High	Carl Moyer LF
Aerial Lifts	63	50	0.31
Air Compressors	78	120	0.48
Bore/Drill Rigs	221	250	0.50
Cement and Mortar Mixers	9	15	0.56
Concrete/Industrial Saws	81	120	0.73
Cranes	231	250	0.29
Crawler Tractors	212	250	0.43
Crushing/Proc. Equipment	85	120	0.78
Dumpers/Tenders	16	15	0.38
Excavators	158	175	0.38
Forklifts	89	120	0.20
Generator Sets	84	120	0.74
Graders	187	175	0.41
Off-Highway Tractors	124	120	0.44
Off-Highway Trucks	402	500	0.38
Other Construction Equipment	172	175	0.42
Other General Industrial Equipment	88	120	0.34
Other Material Handling Equipment	168	175	0.40
Pavers	130	120	0.42
Paving Equipment	132	120	0.36
Plate Compactors	8	15	0.43
Pressure Washers	13	15	0.30
Pumps	84	120	0.74
Rollers	80	120	0.38
Rough Terrain Forklifts	100	120	0.40
Rubber Tired Dozers	247	250	0.40
Rubber Tired Loaders	203	250	0.36
Scrapers	367	500	0.48
Signal Boards	6	15	0.82
Skid Steer Loaders	65	75	0.37
Surfacing Equipment	263	250	0.30
Sweepers/Scrubbers	64	75	0.46
Tractors/Loaders/Backhoes	97	120	0.37
Trenchers	78	120	0.50
Welders	46	50	0.45

On-Road Emission Factors

Source: EMFAC2017. Offsite emission factors for aggregate speeds. Onsite emission factors for 5 mph.

				Running (RUNEX, PMTW, PMBW) grams per mile											Process (IDLEX, STREX, TOTEX, DIURN, HTSK, RUNLS, RESTL) grams per trip									
Year	**Air Basin**	**VehType**	**Lookup**	**ROG**	**NOx**	**CO**	**PM10 Ex**	**PM10 D**	**PM2.5 Ex**	**PM2.5 D**	**SO2**	**CO2**	**CH4**	**N2O**	**ROG**	**NOx**	**CO**	**PM10 Ex**	**PM10 D**	**PM2.5 Ex**	**PM2.5 D**	**SO2**	**CO2**	**CH4**	**N2O**
2020	SDAB	T6	2020SDABT6	0.21	3.46	0.59	0.09	0.26	0.08	0.08	0.01	1,050	0.01	0.17	0.01	1.81	0.17	0.00	0.00	0.00	0.00	0.00	58	0.00	0.01
2021	SDAB	T6	2021SDABT6	0.16	2.81	0.47	0.07	0.26	0.07	0.08	0.01	1,022	0.01	0.16	0.01	1.92	0.17	0.00	0.00	0.00	0.00	0.00	57	0.00	0.01
2022	SDAB	T6	2022SDABT6	0.05	1.84	0.20	0.02	0.26	0.02	0.08	0.01	980	0.00	0.15	0.01	2.16	0.17	0.00	0.00	0.00	0.00	0.00	54	0.00	0.01
2023	SDAB	T6	2023SDABT6	0.01	1.38	0.10	0.01	0.26	0.01	0.08	0.01	947	0.00	0.15	0.00	2.38	0.18	0.00	0.00	0.00	0.00	0.00	52	0.00	0.01
2024	SDAB	T6	2024SDABT6	0.01	1.40	0.10	0.01	0.26	0.01	0.08	0.01	930	0.00	0.15	0.00	2.38	0.18	0.00	0.00	0.00	0.00	0.00	51	0.00	0.01
2025	SDAB	T6	2025SDABT6	0.01	1.42	0.10	0.01	0.26	0.01	0.08	0.01	912	0.00	0.14	0.00	2.38	0.18	0.00	0.00	0.00	0.00	0.00	51	0.00	0.01
2026	SDAB	T6	2026SDABT6	0.01	1.44	0.10	0.01	0.26	0.01	0.08	0.01	897	0.00	0.14	0.00	2.38	0.18	0.00	0.00	0.00	0.00	0.00	50	0.00	0.01
2020	SDAB	T7	2020SDABT7	0.53	7.52	1.30	0.14	0.21	0.14	0.05	0.02	1,892	0.02	0.30	0.35	8.46	4.27	0.01	0.00	0.01	0.00	0.01	855	0.02	0.13
2021	SDAB	T7	2021SDABT7	0.43	6.46	1.14	0.12	0.21	0.11	0.05	0.02	1,860	0.02	0.29	0.35	8.53	4.43	0.01	0.00	0.01	0.00	0.01	867	0.02	0.14
2022	SDAB	T7	2022SDABT7	0.18	4.69	0.66	0.04	0.21	0.04	0.05	0.02	1,794	0.01	0.28	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023	SDAB	T7	2023SDABT7	0.04	3.52	0.43	0.02	0.21	0.02	0.05	0.02	1,727	0.00	0.27	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024	SDAB	T7	2024SDABT7	0.04	3.48	0.43	0.02	0.21	0.02	0.05	0.02	1,704	0.00	0.27	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2025	SDAB	T7	2025SDABT7	0.04	3.44	0.43	0.02	0.21	0.02	0.05	0.02	1,682	0.00	0.26	0.35	8.65	5.15	0.00	0.00	0.00	0.00	0.01	866	0.02	0.14
2026	SDAB	T7	2026SDABT7	0.04	3.41	0.43	0.02	0.21	0.02	0.05	0.02	1,661	0.00	0.26	0.35	8.66	5.16	0.00	0.00	0.00	0.00	0.01	857	0.02	0.13
2020	SDAB	LDA-LDT	2020SDABLDA-LDT	0.02	0.07	0.80	0.00	0.12	0.00	0.02	0.00	302	0.00	0.01	0.90	0.25	2.45	0.00	0.00	0.00	0.00	0.00	62	0.07	0.03
2021	SDAB	LDA-LDT	2021SDABLDA-LDT	0.01	0.06	0.74	0.00	0.12	0.00	0.02	0.00	292	0.00	0.01	0.84	0.23	2.37	0.00	0.00	0.00	0.00	0.00	60	0.06	0.03
2022	SDAB	LDA-LDT	2022SDABLDA-LDT	0.01	0.05	0.68	0.00	0.12	0.00	0.02	0.00	283	0.00	0.01	0.79	0.22	2.29	0.00	0.00	0.00	0.00	0.00	58	0.06	0.03
2023	SDAB	LDA-LDT	2023SDABLDA-LDT	0.01	0.04	0.63	0.00	0.12	0.00	0.02	0.00	274	0.00	0.00	0.74	0.20	2.22	0.00	0.00	0.00	0.00	0.00	56	0.05	0.03
2024	SDAB	LDA-LDT	2024SDABLDA-LDT	0.01	0.04	0.59	0.00	0.12	0.00	0.02	0.00	264	0.00	0.00	0.70	0.19	2.14	0.00	0.00	0.00	0.00	0.00	54	0.05	0.02
2025	SDAB	LDA-LDT	2025SDABLDA-LDT	0.01	0.04	0.55	0.00	0.12	0.00	0.02	0.00	255	0.00	0.00	0.66	0.17	2.05	0.00	0.00	0.00	0.00	0.00	52	0.04	0.02
2026	SDAB	LDA-LDT	2026SDABLDA-LDT	0.01	0.03	0.52	0.00	0.12	0.00	0.02	0.00	247	0.00	0.00	0.63	0.16	1.97	0.00	0.00	0.00	0.00	0.00	51	0.04	0.02
2020	SDAB	T6Onsite	2020SDABT6Onsite	1.48	10.03	2.51	0.23	0.26	0.22	0.08	0.01	2,373	0.07	0.37	0.01	1.81	0.17	0.00	0.00	0.00	0.00	0.00	58	0.00	0.01
2021	SDAB	T6Onsite	2021SDABT6Onsite	1.11	8.75	2.10	0.16	0.26	0.15	0.08	0.01	2,338	0.05	0.37	0.01	1.92	0.17	0.00	0.00	0.00	0.00	0.00	57	0.00	0.01
2022	SDAB	T6Onsite	2022SDABT6Onsite	0.35	6.86	1.14	0.06	0.26	0.05	0.08	0.01	2,299	0.02	0.36	0.01	2.16	0.17	0.00	0.00	0.00	0.00	0.00	54	0.00	0.01
2023	SDAB	T6Onsite	2023SDABT6Onsite	0.05	6.23	0.76	0.00	0.26	0.00	0.08	0.01	2,262	0.00	0.36	0.00	2.38	0.18	0.00	0.00	0.00	0.00	0.00	52	0.00	0.01
2024	SDAB	T6Onsite	2024SDABT6Onsite	0.05	6.36	0.77	0.00	0.26	0.00	0.08	0.01	2,219	0.00	0.35	0.00	2.38	0.18	0.00	0.00	0.00	0.00	0.00	51	0.00	0.01
2025	SDAB	T6Onsite	2025SDABT6Onsite	0.05	6.48	0.78	0.00	0.26	0.00	0.08	0.01	2,176	0.00	0.34	0.00	2.38	0.18	0.00	0.00	0.00	0.00	0.00	51	0.00	0.01
2026	SDAB	T6Onsite	2026SDABT6Onsite	0.05	6.58	0.79	0.00	0.26	0.00	0.08	0.01	2,138	0.00	0.34	0.00	2.38	0.18	0.00	0.00	0.00	0.00	0.00	50	0.00	0.01
2020	SDAB	T7Onsite	2020SDABT7Onsite	2.11	17.47	4.14	0.29	0.21	0.27	0.05	0.02	3,669	0.10	0.58	0.35	8.46	4.27	0.01	0.00	0.01	0.00	0.01	855	0.02	0.13
2021	SDAB	T7Onsite	2021SDABT7Onsite	1.70	15.55	3.72	0.21	0.21	0.20	0.05	0.02	3,632	0.08	0.57	0.35	8.53	4.43	0.01	0.00	0.01	0.00	0.01	867	0.02	0.14
2022	SDAB	T7Onsite	2022SDABT7Onsite	0.70	12.30	2.51	0.09	0.21	0.09	0.05	0.02	3,568	0.03	0.56	0.35	8.72	4.78	0.00	0.00	0.00	0.00	0.01	904	0.02	0.14
2023	SDAB	T7Onsite	2023SDABT7Onsite	0.16	10.61	1.78	0.02	0.21	0.02	0.05	0.02	3,499	0.01	0.55	0.35	8.63	5.13	0.00	0.00	0.00	0.00	0.01	883	0.02	0.14
2024	SDAB	T7Onsite	2024SDABT7Onsite	0.15	10.61	1.79	0.02	0.21	0.02	0.05	0.02	3,455	0.01	0.54	0.35	8.64	5.14	0.00	0.00	0.00	0.00	0.01	874	0.02	0.14
2025	SDAB	T7Onsite	2025SDABT7Onsite	0.15	10.63	1.80	0.02	0.21	0.02	0.05	0.02	3,413	0.01	0.54	0.35	8.65	5.15	0.00	0.00	0.00	0.00	0.01	866	0.02	0.14
2026	SDAB	T7Onsite	2026SDABT7Onsite	0.14	10.65	1.81	0.01	0.21	0.01	0.05	0.02	3,370	0.01	0.53	0.35	8.66	5.16	0.00	0.00	0.00	0.00	0.01	857	0.02	0.13

Material Movement Emission Factors

Calculation Details in CalEEMod Users Guide, Appendix A

No Controls or Mitigation

Paving ROG EF	2.6200 lbs/acre	CalEEMod (no mitigation)	(no equation)
Grading PM10 EF	1.0605 lbs/acre	CalEEMod (no mitigation)	
Grading PM2.5 EF	0.1145 lbs/acre	CalEEMod (no mitigation)	
Bulldozing PM10 EF	0.7528 lbs/hr	CalEEMod (no mitigation)	
Bulldozing PM2.5 EF	0.4138 lbs/hr	CalEEMod (no mitigation)	
Truck loading PM10 EF	0.000467 lb/ton	CalEEMod (no mitigation)	
Truck loading PM2.5 EF	0.000071 lb/ton	CalEEMod (no mitigation)	
Truck loading PM10 EF Dredge	0.000025 lb/ton		
Truck loading PM2.5 EF Dredge	0.000004 lb/ton		
Demo PM10 EF	0.0235 lb/ton	CalEEMod (no mitigation)	
Demo PM2.5 EF	0.0036 lb/ton	CalEEMod (no mitigation)	

50/50

Construction

Scenario

Summary of Total Emissions

	Tons per year										Metric tons per year			
Year	ROG	NOX	CO	PM10 E	PM10 D	PM 10 T	PM2.5 E	PM2.5 D	PM2.5 T	SO2	CO2	CH4	N2O	CO2e
2020	0.7	6.1	4.1	0.2	0.1	0.3	0.2	0.0	0.2	0.0	667	0	0	681
2021	0.2	1.8	1.3	0.1	0.0	0.1	0.1	0.0	0.1	0.0	220	0	0	224
2022	0.4	2.1	1.8	0.1	0.0	0.1	0.1	0.0	0.1	0.0	359	0	0	366
2023	0.7	1.8	1.7	0.1	0.0	0.1	0.1	0.0	0.1	0.0	304	0	0	309
2024	0.5	1.7	1.7	0.1	0.0	0.1	0.1	0.0	0.1	0.0	295	0	0	299
Max	0.7	6.1	4.1	0.2	0.1	0.3	0.2	0.0	0.2	0.0	667	0.1	0.0	681
Total	2.6	13.5	10.5	0.6	0.1	0.7	0.6	0.0	0.6	0.0	1,844	0	0	1,879
	2	*3*	*4*	*5*	*7*		*6*	*8*		*9*	*10*	*11*	*12*	*13*
											132	0	0	134

Summary of Total Fuel Consumption

Year	Gallons (diesel/gasoline)
2020	65,591
2021	21,629
2022	35,361
2023	30,186
2024	29,200
Total	181,967

Demolition	Location	Onsite	2020	6

Code	Air Basin	Structures	tons/day	Pounds per day								Tons per year								Metric tons per year				Gal per year
				ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1c	SDAB		0.0						0.0	0.0							0.00	0.00						
Phase2a	SDAB		38.4						0.9	0.1							0.01	0.00						
Phase3a	SDAB		71.2						1.7	0.3							0.02	0.00						
Phase6a	SDAB		9.6						0.2	0.0							0.00	0.00						
Phase8a	SDAB		0.0						0.0	0.0							0.00	0.00						
Phase9a	SDAB		0.0						0.0	0.0							0.00	0.00						
Phase10a	SDAB		6.7						0.2	0.0							0.00	0.00						
Phase12a	SDAB		9.4						0.2	0.0							0.00	0.00						
Phase13a	SDAB		0.3						0.0	0.0							0.00	0.00						
Phase14a	SDAB		0.0						0.0	0.0							0.00	0.00						
Phase15a	SDAB		0.0						0.0	0.0							0.00	0.00						

Phase	Pounds per day								Tons per year								Metric tons per year				Gal per year
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demolition	Location	Onsite	2021	7

Code	Air Basin	Structures	tons/day	Pounds per day								Tons per year								Metric tons per year				Gal per year
				ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1c	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase2a	SDAB		38.4						0.9	0.1							0.0	0.0						
Phase3a	SDAB		71.2						1.7	0.3							0.0	0.0						
Phase6a	SDAB		9.6						0.2	0.0							0.0	0.0						
Phase8a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase9a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase10a	SDAB		6.7						0.2	0.0							0.0	0.0						
Phase12a	SDAB		9.4						0.2	0.0							0.0	0.0						
Phase13a	SDAB		0.3						0.0	0.0							0.0	0.0						
Phase14a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase15a	SDAB		0.0						0.0	0.0							0.0	0.0						

Phase	Pounds per day								Tons per year								Metric tons per year				Gal per year
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demolition	Location	Onsite	2022	8

Code	Air Basin	Structures	tons/day	Pounds per day								Tons per year								Metric tons per year				Gal per year
				ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1c	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase2a	SDAB		38.4						0.9	0.1							0.0	0.0						
Phase3a	SDAB		71.2						1.7	0.3							0.0	0.0						
Phase6a	SDAB		9.6						0.2	0.0							0.0	0.0						
Phase8a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase9a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase10a	SDAB		6.7						0.2	0.0							0.0	0.0						
Phase12a	SDAB		9.4						0.2	0.0							0.0	0.0						
Phase13a	SDAB		0.3						0.0	0.0							0.0	0.0						
Phase14a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase15a	SDAB		0.0						0.0	0.0							0.0	0.0						

Phase	Pounds per day								Tons per year								Metric tons per year				Gal per year
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demolition	Location	Onsite	2023	9

Code	Air Basin	Structures	tons/day	Pounds per day								Tons per year								Metric tons per year				Gal per year
				ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1c	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase2a	SDAB		38.4						0.9	0.1							0.0	0.0						
Phase3a	SDAB		71.2						1.7	0.3							0.0	0.0						
Phase6a	SDAB		9.6						0.2	0.0							0.0	0.0						
Phase8a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase9a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase10a	SDAB		6.7						0.2	0.0							0.0	0.0						
Phase12a	SDAB		9.4						0.2	0.0							0.0	0.0						
Phase13a	SDAB		0.3						0.0	0.0							0.0	0.0						
Phase14a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase15a	SDAB		0.0						0.0	0.0							0.0	0.0						

Phase	Pounds per day								Tons per year								Metric tons per year				Gal per year
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demolition	Location	Onsite	2024	10

Code	Air Basin	Structures	tons/day	Pounds per day								Tons per year								Metric tons per year				Gal per year
				ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1c	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase2a	SDAB		38.4						0.9	0.1							0.0	0.0						
Phase3a	SDAB		71.2						1.7	0.3							0.0	0.0						
Phase6a	SDAB		9.6						0.2	0.0							0.0	0.0						
Phase8a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase9a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase10a	SDAB		6.7						0.2	0.0							0.0	0.0						
Phase12a	SDAB		9.4						0.2	0.0							0.0	0.0						
Phase13a	SDAB		0.3						0.0	0.0							0.0	0.0						
Phase14a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase15a	SDAB		0.0						0.0	0.0							0.0	0.0						

Phase	Pounds per day								Tons per year								Metric tons per year				Gal per year
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demolition - Unmitigated 50/50 Scenario

	Tons per year								Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0

Year	Gal/yr
2020	0
2021	0
2022	0
2023	0
2024	0

Earthmoving/Paving Calculations-Unmitigated 50/50 Scenario

Code	Air Basin	Strip (acres/day)	Borrow/Excavate (cy/day)	Dozing hr/day	Dredge (cy/day)	Paving (sf/day)	2020						2021						2022					
							Pounds per day			Tons per year			Pounds per day			Tons per year			Pounds per day			Tons per year		
							ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D
Phase1a	SDAB		0		2581		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Phase4a	SDAB		0		217		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	SDAB		0		154		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	SDAB		57		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	SDAB		10		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	SDAB		433		0		0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Phase12a	SDAB		21		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	SDAB		2		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Phase	2020						2021						2022					
	Pounds per day			Tons per year			Pounds per day			Tons per year			Pounds per day			Tons per year		
	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Earthmoving/Paving Calculations-Unmitigated 50/50 Scenario

							2023						2024					
							Pounds per day			Tons per year			Pounds per day			Tons per year		
Code	Air Basin	Strip (acres/day)	Borrow/Excavate (cy/day)	Dozing hr/day	Dredge (cy/day)	Paving (sf/day)	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D
Phase1a	SDAB		0		2581		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Phase4a	SDAB		0		217		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	SDAB		0		154		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	SDAB		57		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	SDAB		10		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	SDAB		433		0		0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Phase12a	SDAB		21		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	SDAB		2		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

	Pounds per day			Tons per year			Pounds per day			Tons per year		
Phase	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Earthmoving/Paving Calculations-Unmitigated 50/50 Scenario

	Tons per year								Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Year	Gal/yr
2020	0
2021	0
2022	0
2023	0
2024	0

Onroad Calculations- Unmitigated 50/50 Scenario

	Tons per year								Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2020	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	17
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8	0.0	0.0	8
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	12
2023	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	24	0.0	0.0	25
2024	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0	22

Year	Gal/yr
2020	1,890
2021	889
2022	1,379
2023	2,788
2024	2,483

Onroad Calculations- Unmitigated 50/50 Scenario

Code	Air Basin	Vehicles/ day	Single Trips/day	Hrs/Trip/Day	Miles/day	Vehicle	Vehicle Type	Fuel	Concat	2020 Pounds per day ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	2020 Tons per year ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	2020 Metric tons per year CO2	CH4	N2O	CO2e	Gal per
Phase1	SDAB	12	24	372.4	259	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	6.7	753
Phase2	SDAB	13	26	372.4	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	5.6	629
Phase3	SDAB	6	12	372.4	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.1	236
Phase4	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	7	14	372.4	151	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	181
Phase8	SDAB	6	12	372.4	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	91
Phase10	SDAB	13	26	372.4	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	16	32	372.4	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	16	32	372.4	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	3	6	372.4	65	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Phase	Pounds per day ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	Tons per year ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	Metric tons per year CO2	CH4	N2O	CO2e	Gal per
Phase1	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	6.7	753
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	5.6	629
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.1	236
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	181
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	91
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	0.1	0.1	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	0.1	0.1	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Onroad Calculations- Unmitigated 50/50 Scenario

									2021														7
									Pounds per day								Tons per year								Metric tons per year				Gal
Code	Air Basin	Vehicles/ day	Single Trips/day	Hrs/Trip/Day	Miles/day	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	per
Phase1	SDAB	12	24	372.4	259	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	13	26	372.4	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	6	12	372.4	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	7	14	372.4	151	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	3.6	405
Phase7	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	6	12	372.4	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.8	198
Phase9	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	13	26	372.4	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	16	32	372.4	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	16	32	372.4	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	286
Phase15	SDAB	3	6	372.4	65	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day								Tons per year								Metric tons per year				Gal
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	per
Phase1	0.1	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase2	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase4	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	3.6	0.0	0.0	3.6	405
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase7	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	1.7	0.0	0.0	1.8	198
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase10	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase11	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase12	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase13	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	2.5	0.0	0.0	2.5	286
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0

Onroad Calculations- Unmitigated 50/50 Scenario

Code	Air Basin	Vehicles/ day	Single Trips/day	Hrs/Trip/Day	Miles/day	Vehicle	Vehicle Type	Fuel	Concat	2022 Pounds per day ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	2022 Tons per year ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	2022 Metric tons per year CO2	CH4	N2O	CO2e	Gal per
Phase1	SDAB	12	24	372.4	259	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	13	26	372.4	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	6	12	372.4	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	4.3	490
Phase5	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	114
Phase6	SDAB	7	14	372.4	151	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	6	12	372.4	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	13	26	372.4	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	16	32	372.4	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	5.6	636
Phase12	SDAB	16	32	372.4	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	3	6	372.4	65	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	140

Phase	Pounds per day ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	Tons per year ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	Metric tons per year CO2	CH4	N2O	CO2e	Gal per
Phase1	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase4	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	4.3	489.61
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	113.53
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	5.6	635.79
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase13	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	140.50
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

Onroad Calculations- Unmitigated 50/50 Scenario

Code	Air Basin	Vehicles/ day	Single Trips/day	Hrs/Trip/Day	Miles/day	Vehicle	Vehicle Type	Fuel	Concat	2023														9
										Pounds per day								Tons per year								Metric tons per year				Gal
										ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	per
Phase1	SDAB	12	24	372.4	259	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	13	26	372.4	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	6	12	372.4	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	7	14	372.4	151	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	6	12	372.4	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	13	26	372.4	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	16	32	372.4	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	14.1	1591
Phase12	SDAB	16	32	372.4	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	10.6	1196
Phase13	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	3	6	372.4	65	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Phase	Pounds per day								Tons per year								Metric tons per year				Gal
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	per
Phase1	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase4	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	14.1	#####
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	10.6	#####
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase13	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

Onroad Calculations- Unmitigated 50/50 Scenario

Code	Air Basin	Vehicles/ day	Single Trips/day	Hrs/Trip/Day	Miles/day	Vehicle	Vehicle Type	Fuel	Concat	2024														10
										Pounds per day								Tons per year								Metric tons per year				Gal
										ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	per
Phase1	SDAB	12	24	372.4	259	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	13	26	372.4	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	6	12	372.4	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	7	14	372.4	151	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	6	12	372.4	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	13	26	372.4	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	11.6	1309
Phase11	SDAB	16	32	372.4	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	16	32	372.4	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	9.1	1028
Phase13	SDAB	10	20	372.4	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	146
Phase14	SDAB	5	10	372.4	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	3	6	372.4	65	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Phase	Pounds per day								Tons per year								Metric tons per year				Gal
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	per
Phase1	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase4	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	11.6	#####
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	9.1	#####
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase13	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	145.73
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

Offroad Calculations 50/50

Offroad Calculations 50/50

										2020										6	2021										
										3	4	5	6	7	8	9	10	11			3	4	5	6	7	8					
										Pounds per day						Tons per year						Metric tons per year				Gal per	Pounds per day						Tons per year					
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2
Phase8a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Phase8b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.1	109	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	31	0.1	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	Pile Extracting Vibratory Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.3	122	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.9	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	26	0.2	0.9	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	0.8	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	22	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	3.6	345	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	99	0.1	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.9	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	82	0.2	0.9	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	0.8	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	69	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	41	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.9	2.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.3	2.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.9	2.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.3	2.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.9	2.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.3	2.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	1.3	1.5

Offroad Calculations 50/50

											7														8						
											9	10	11				3	4	5	6	7	8	9	10	11			3	4	5	6	7	8	
											Metric tons per year				Gal per	Pounds per day							Metric tons per year				Gal per	Pounds per day						
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat		CO2	CH4	N2O	CO2e	year	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year	ROG	NOX	CO	PM10	PM2.5	SO2	ROG
Phase1b	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0	1.0	9.3	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1.0	8.1	8.3	0.3	0.3	0.0	0.0
Phase1c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase1c	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase1c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase1c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase1c	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase1c	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50		0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase1d	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase1d	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase1d	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase1d	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase1d	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase1d	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50		0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase1e	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		0.0	0.0	0.0	0.0	0	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase2a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase2a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase2a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase2a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase2a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase2a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50		0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase2b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase2b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	2.7	0.1	0.1	0.0	0.0
Phase2b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase2b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase2b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase2b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50		0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase2c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		0.0	0.0	0.0	0.0	0	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase3a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase3a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase3a	Pile Extracting & Driving Vibratory Hammer	1	8	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		0.0	0.0	0.0	0.0	0	0.2	2.3	2.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.0	2.0	0.1	0.1	0.0	0.0
Phase3a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.3	1.4	0.1	0.1	0.0	0.0
Phase3a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.4	0.1	0.1	0.0	0.0
Phase3b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase3b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	2.7	0.1	0.1	0.0	0.0
Phase3b	Pile Driving Vibratory Hammer	1	5	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		0.0	0.0	0.0	0.0	0	0.1	1.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.3	1.3	0.0	0.0	0.0	0.0
Phase3b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase3b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase3c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		13.0	0.0	0.0	13.2	1270	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase3c	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		5.6	0.0	0.0	5.7	546	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	2.7	0.1	0.1	0.0	0.0
Phase3c	Pile Extracting & Driving Vibratory Hammer	1	3	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		5.5	0.0	0.0	5.5	534	0.1	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.8	0.8	0.0	0.0	0.0	0.0
Phase3c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		4.6	0.0	0.0	4.7	451	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase3c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		3.9	0.0	0.0	4.0	383	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase4a	Tractor/Loader/Backhoe	2	12	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0	1.2	11.2	10.0	0.4	0.4	0.0	0.0	0.4	0.3	0.0	0.0	0.0	114.5	0.0	0.0	116.3	11219	1.2	9.7	10.0	0.4	0.3	0.0	0.0
Phase5a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	11.9	0.0	0.0	12.0	1162	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase5a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.1	207	0.2	1.3	1.4	0.1	0.1	0.0	0.0
Phase5a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	175	0.2	1.1	1.4	0.1	0.1	0.0	0.0
Phase5b	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		0.0	0.0	0.0	0.0	0	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	61	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase6a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		4.8	0.0	0.0	4.9	472	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase6a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		1.0	0.0	0.0	1.1	101	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase6a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		1.7	0.0	0.0	1.7	167	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase6a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		1.5	0.0	0.0	1.5	142	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase6a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.9	0.0	0.0	0.9	86	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase6a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50		0.9	0.0	0.0	0.9	86	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase6a	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		2.8	0.0	0.0	2.8	271	1.0	9.3	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1.0	8.1	8.3	0.3	0.3	0.0	0.0
Phase6b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		24.8	0.0	0.0	25.2	2432	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase6b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		5.3	0.0	0.0	5.4	522	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase6b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		8.8	0.0	0.0	9.0	863	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase6b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		7.5	0.0	0.0	7.6	734	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase6b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		4.5	0.0	0.0	4.6	443	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase6b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50		4.5	0.0	0.0	4.6	442	0.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase6c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		2.5	0.0	0.0	2.5	244	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase7a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase7a	Tractor/Loader/Backhoe	2	8	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0	0.8	7.5	6.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.8	6.5	6.7	0.2	0.2	0.0	0.0
Phase7b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase7b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase7b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase7b	Pile Driving Vibratory Hammer	1	6	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		0.0	0.0	0.0	0.0	0	0.2

Offroad Calculations 50/50

											7														8							
											9	10	11				3	4	5	6	7	8	9	10	11			3	4	5	6	7	8	
											Metric tons per year				Gal per	Pounds per day						Tons per year						Metric tons per year				Gal per	Pounds per day						
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat		CO2	CH4	N2O	CO2e	year	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year	ROG	NOX	CO	PM10	PM2.5	SO2	ROG
Phase8a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		4.1	0.0	0.0	4.1	399	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase8a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.7	0.0	0.0	0.7	71	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.3	1.4	0.1	0.1	0.0	0.0
Phase8a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.6	0.0	0.0	0.6	60	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.4	0.1	0.1	0.0	0.0
Phase8b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		13.0	0.0	0.0	13.2	1270	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.6	2.7	0.2	0.2	0.0	0.0
Phase8b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		2.3	0.0	0.0	2.3	225	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.3	1.4	0.1	0.1	0.0	0.0
Phase8b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		2.0	0.0	0.0	2.0	192	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.4	0.1	0.1	0.0	0.0
Phase9a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	1.3	0.1	0.1	0.0	0.0
Phase9a	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.1	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.8	0.9	0.0	0.0	0.0	0.0
Phase9a	Pile Extracting Vibratory Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		0.0	0.0	0.0	0.0	0	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase9a	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.2	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	0.8	0.9	0.1	0.1	0.0	0.0
Phase9a	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	0.7	0.9	0.1	0.0	0.0	0.0
Phase9b	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	1.3	0.1	0.1	0.0	0.0
Phase9b	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.1	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.8	0.9	0.0	0.0	0.0	0.0
Phase9b	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.2	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	0.8	0.9	0.1	0.1	0.0	0.0
Phase9b	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	0.7	0.9	0.1	0.0	0.0	0.0
Phase9c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		0.0	0.0	0.0	0.0	0	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0
Phase10a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	1.3	0.1	0.1	0.0	0.0
Phase10a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	2.7	0.1	0.1	0.0	0.0
Phase10a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase10a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase10a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.6	1.7	0.1	0.1	0.0	0.0
Phase10a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase10b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.4	4.6	2.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	4.2	2.0	0.2	0.2	0.0	0.0
Phase10b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	2.7	0.1	0.1	0.0	0.0
Phase10b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase10b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase10b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.6	1.7	0.1	0.1	0.0	0.0
Phase10b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase11a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	1.3	0.1	0.1	0.0	0.0
Phase11a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	2.7	0.1	0.1	0.0	0.0
Phase11a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase11a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase11a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.6	1.7	0.1	0.1	0.0	0.0
Phase11a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase11b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.4	4.6	2.1	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	14.2	0.0	0.0	14.4	1389	0.4	4.2	2.0	0.2	0.2	0.0	0.0
Phase11b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	8.1	0.0	0.0	8.2	795	0.2	2.3	2.7	0.1	0.1	0.0	0.0
Phase11b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	6.7	0.0	0.0	6.8	659	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase11b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	5.7	0.0	0.0	5.8	558	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase11b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	0.0	0.0	14.3	1382	0.2	1.6	1.7	0.1	0.1	0.0	0.0
Phase11b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	3.5	337	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase12a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	1.3	0.1	0.1	0.0	0.0
Phase12a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	2.7	0.1	0.1	0.0	0.0
Phase12a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase12a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase12a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.6	1.7	0.1	0.1	0.0	0.0
Phase12a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase12b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.4	4.6	2.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	4.2	2.0	0.2	0.2	0.0	0.0
Phase12b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.3	2.7	0.1	0.1	0.0	0.0
Phase12b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0
Phase12b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.2	2.7	0.2	0.1	0.0	0.0
Phase12b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.6	1.7	0.1	0.1	0.0	0.0
Phase12b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0
Phase13a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.3	2.8	1.3	0.1	0.1	0.0	0.0
Phase13a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase13a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.3	1.4	0.1	0.1	0.0	0.0
Phase13a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.4	0.1	0.1	0.0	0.0
Phase14a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		2.1	0.0	0.0	2.1	203	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase14a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		1.7	0.0	0.0	1.7	167	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.3	1.4	0.1	0.1	0.0	0.0
Phase14a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		1.5	0.0	0.0	1.5	142	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.4	0.1	0.1	0.0	0.0
Phase14a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		7.2	0.0	0.0	7.3	705	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.6	1.7	0.1	0.1	0.0	0.0
Phase14b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		1.2	0.0	0.0	1.2	117	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.1	296	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase14b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		1.0	0.0	0.0	1.0	97	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	245	0.2	1.3	1.4	0.1	0.1	0.0	0.0
Phase14b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.8	0.0	0.0	0.9	82	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.2	208	0.2	1.1	1.4	0.1	0.1	0.0	0.0
Phase14b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		4.2	0.0	0.0	4.2	407	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	10.7	1030	0.2	1.6	1.7	0.1	0.1	0.0	0.0
Phase15a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	125	0.1	1.1	1.4	0.1	0.1	0.0	0.0
Phase15a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.1	103	0.2	1.3	1.4	0.1	0.1	0.0	0.0
Phase15a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	88	0.2	1.1	1.4	0.1

Offroad Calculations 50/50

										2023											9	2024											10
																9	10	11				3	4	5	6	7	8					9	10	11	
										Tons per year						Metric tons per year				Gal per	Pounds per day						Tons per year						Metric tons per year				Gal per
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year
Phase1b	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1.0	7.6	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1e	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Pile Extracting & Driving Vibratory Hammer	1	8	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.9	2.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Pile Driving Vibratory Hammer	1	5	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Pile Extracting & Driving Vibratory Hammer	1	3	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4a	Tractor/Loader/Backhoe	2	12	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1.2	9.1	10.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5b	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1.0	7.6	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	Tractor/Loader/Backhoe	2	8	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.8	6.0	6.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Pile Driving Vibratory Hammer	1	6	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Offroad Calculations 50/50

											2023										9	2024										10
																9	10	11				3	4	5	6	7	8				9	10	11	
											Tons per year					Metric tons per year				Gal per	Pounds per day						Tons per year						Metric tons per year				Gal per
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat		NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year
Phase8a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Pile Extracting Vibratory Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	272
Phase10a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234
Phase10a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194
Phase10a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	164
Phase10a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	407
Phase10a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99
Phase10b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	3.8	1.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3730
Phase10b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2137
Phase10b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1770
Phase10b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1500
Phase10b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3719
Phase10b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	906
Phase11a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250		0.3	0.1	0.0	0.0	0.0	40.3	0.0	0.0	40.9	3948	0.4	3.8	1.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.2	0.2	0.0	0.0	0.0	23.1	0.0	0.0	23.4	2261	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.2	0.2	0.0	0.0	0.0	19.1	0.0	0.0	19.4	1874	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.2	0.2	0.0	0.0	0.0	16.2	0.0	0.0	16.5	1588	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.1	0.1	0.0	0.0	0.0	40.1	0.0	0.0	40.8	3931	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.1	0.0	0.0	0.0	0.0	9.8	0.0	0.0	9.9	959	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	5.8	563	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	5.0	483	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	4.2	401	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	3.5	339	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	8.7	840	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.1	205	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250		0.2	0.1	0.0	0.0	0.0	22.0	0.0	0.0	22.3	2151	0.4	3.8	1.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2641
Phase12b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.1	0.1	0.0	0.0	0.0	12.6	0.0	0.0	12.8	1232	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1513
Phase12b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.1	0.1	0.0	0.0	0.0	10.4	0.0	0.0	10.6	1021	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1253
Phase12b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.1	0.1	0.0	0.0	0.0	8.8	0.0	0.0	9.0	865	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1062
Phase12b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.1	0.1	0.0	0.0	0.0	21.9	0.0	0.0	22.2	2142	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2633
Phase12b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25		0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	5.4	522	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	641
Phase13a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	399
Phase13a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172
Phase13a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	142
Phase13a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120
Phase14a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50		0.0	0.0	0.

Offroad Calculations 50/50

	Tons per year						Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e
2020	0	2	1	0	0	0	223	0	0	226
2021	0	1	1	0	0	0	146	0	0	149
2022	0	1	1	0	0	0	239	0	0	243
2023	0	2	2	0	0	0	259	0	0	263
2024	0	2	2	0	0	0	262	0	0	266

Year	Gal/yr
2020	21,798
2021	14,328
2022	23,409
2023	25,325
2024	25,709

Truck Calculations 50/50

												2020																				6
											STREX and HTSK	13	14	15	16	17	18	19	20									21	22	23		
											RUNEX, PMBW, .	2	3	4	5	7	6	8	9									10	11	12		
			Yearly		Daily							Pounds per day								Tons per year								Metric tons per year				
Code	Air Basin	Total Trucks	Single Trips/day Yearly	Miles/day Yearly	Vehicles/day Daily	Single Trips/day Daily	Miles/day Daily	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	SDAB	1380	33	665	17	34	680	General Truck	T7	Diesel	SDABT7	0.8	11.9	2.3	0.2	0.2	0.3	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	106.8	0.0	0.0	111.8	10460
Phase2	SDAB	256	8	160	4	8	160	General Truck	T7	Diesel	SDABT7	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	20.7	1940
Phase3	SDAB	180	7	138	4	8	160	General Truck	T7	Diesel	SDABT7	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	14.6	1364
Phase4	SDAB	500	14	290	8	16	320	General Truck	T7	Diesel	SDABT7	0.4	5.6	1.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	24	2	30	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	289	7	146	4	8	160	General Truck	T7	Diesel	SDABT7	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	1	17	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	76
Phase8	SDAB	75	3	67	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	7	1	12	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.6	53
Phase10	SDAB	22	0	6	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	258	3	51	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	213	2	41	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	25	2	45	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.8	11.9	2.3	0.2	0.2	0.3	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	106.8	0.0	0.0	111.8	######
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	20.7	1940.5
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	14.6	1364.4
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.4	5.6	1.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	75.8
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.6	53.1
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Truck Calculations 50/50

			Yearly		Daily						2021															7
											STREX and HTSK	13	14	15	16	17	18	19	20						21	22	23
											RUNEX_PMBW	2	3	4	5	7	6	8	9						10	11	12
												Pounds per day									Tons per year								Metric tons per year				
Code	Air Basin	Total Trucks	Single Trips/day Yearly	Miles/day Yearly	Vehicles/day Daily	Single Trips/day Daily	Miles/day Daily	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	SDAB	1380	33	665	17	34	680	General Truck	T7	Diesel	SDAB7	0.7	10.3	2.0	0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	256	8	160	4	8	160	General Truck	T7	Diesel	SDAB7	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	180	7	138	4	8	160	General Truck	T7	Diesel	SDAB7	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	500	14	290	8	16	320	General Truck	T7	Diesel	SDAB7	0.3	4.9	1.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	24	2	30	1	2	40	General Truck	T7	Diesel	SDAB7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	289	7	146	4	8	160	General Truck	T7	Diesel	SDAB7	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	23.0	2155
Phase7	SDAB	10	1	17	1	2	40	General Truck	T7	Diesel	SDAB7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	75	3	67	2	4	80	General Truck	T7	Diesel	SDAB7	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	6.0	559
Phase9	SDAB	7	1	12	1	2	40	General Truck	T7	Diesel	SDAB7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	22	0	6	1	2	40	General Truck	T7	Diesel	SDAB7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	258	3	51	2	4	80	General Truck	T7	Diesel	SDAB7	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	213	2	41	2	4	80	General Truck	T7	Diesel	SDAB7	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	25	2	45	2	4	80	General Truck	T7	Diesel	SDAB7	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDAB7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	37
Phase15	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDAB7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.7	10.3	2.0	0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.3	4.9	1.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	23.0	2154.8
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	6.0	559.2
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	37.3
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Truck Calculations 50/50

			Yearly		Daily						2022																8
											STREX and HTSK	13	14	15	16	17	18	19	20							21	22	23	
											RUNEX, PMBW	2	3	4	5	7	6	8	9							10	11	12	
												Pounds per day									Tons per year							Metric tons per year				Gal
Code	Air Basin	Total Trucks	Single Trips/day Yearly	Miles/day Yearly	Vehicles/day Daily	Single Trips/day Daily	Miles/day Daily	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	per year
Phase1	SDAB	1380	33	665	17	34	680	General Truck	T7	Diesel	SDABT7	0.3	7.7	1.4	0.1	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	256	8	160	4	8	160	General Truck	T7	Diesel	SDABT7	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	180	7	138	4	8	160	General Truck	T7	Diesel	SDABT7	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	500	14	290	8	16	320	General Truck	T7	Diesel	SDABT7	0.1	3.6	0.6	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0	0.0	38.5	3602
Phase5	SDAB	24	2	30	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	173
Phase6	SDAB	289	7	146	4	8	160	General Truck	T7	Diesel	SDABT7	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	1	17	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	75	3	67	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	7	1	12	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	22	0	6	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	258	3	51	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	5.5	518
Phase12	SDAB	213	2	41	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	25	2	45	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	36

	Pounds per day								Tons per year								Metric tons per year				Gal
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	per
Phase1	0.3	7.7	1.4	0.1	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.1	3.6	0.6	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0	0.0	38.5	3602.2
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	172.9
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	5.5	517.9
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	36.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Truck Calculations 50/50

			Yearly		Daily						2023																	9
											STREX and HTSK	13	14	15	16	17	18	19	20								21	22	23	
											RUNEX_PMBW	2	3	4	5	7	6	8	9								10	11	12	
												Pounds per day									Tons per year								Metric tons per year				
Code	Air Basin	Total Trucks	Single Trips/day Yearly	Miles/day Yearly	Vehicles/day Daily	Single Trips/day Daily	Miles/day Daily	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	SDAB	1380	33	665	17	34	680	General Truck	T7	Diesel	SDABT7	0.1	5.9	1.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	256	8	160	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	180	7	138	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	500	14	290	8	16	320	General Truck	T7	Diesel	SDABT7	0.0	2.8	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	24	2	30	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	289	7	146	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	1	17	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	75	3	67	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	7	1	12	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	22	0	6	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	258	3	51	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	13.8	1291
Phase12	SDAB	213	2	41	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	8.4	782
Phase13	SDAB	25	2	45	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.1	5.9	1.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	2.8	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	13.8	1291.3
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	8.4	781.9
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Truck Calculations 50/50

			Yearly		Daily						2024																10
											STREX and HTSK	13	14	15	16	17	18	19	20							21	22	23	
											RUNEX_PMBW	2	3	4	5	7	6	8	9							10	11	12	
												Pounds per day									Tons per year							Metric tons per year				
Code	Air Basin	Total Trucks	Single Trips/day Yearly	Miles/day Yearly	Vehicles/day Daily	Single Trips/day Daily	Miles/day Daily	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	SDAB	1380	33	665	17	34	680	General Truck	T7	Diesel	SDABT7	0.1	5.9	1.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	256	8	160	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	180	7	138	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	500	14	290	8	16	320	General Truck	T7	Diesel	SDABT7	0.0	2.8	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	24	2	30	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	289	7	146	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	1	17	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	75	3	67	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	7	1	12	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	22	0	6	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.6	151
Phase11	SDAB	258	3	51	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	213	2	41	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	7.3	687
Phase13	SDAB	25	2	45	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.8	171
Phase14	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.1	5.9	1.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	2.8	0.5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.6	150.6
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	7.3	686.8
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.8	171.2
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Truck Calculations 50/50

	Tons per year								Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2020	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	142	0.0	0.0	149
2021	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	28	0.0	0.0	29
2022	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	44	0.0	0.0	46
2023	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0	22
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	11

Year	Gal/yr
2020	13,894
2021	2,751
2022	4,329
2023	2,073
2024	1,009

Marine Calculations- 50/50 Scenario

	2020																			6	2021														7
	Pounds per day								Tons per year								Metric tons per year					Pounds per day								Tons per year								Metric tons per year				
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Phase1a	20.1	160.2	117.2	5.7	5.6	0.0	0.0	0.2	0.38	3.0	2.2	0.1	0.1	0.0	0.0	0.0	249.1	0.0	0.0	252.6	24402.5	20.1	160.2	117.2	5.7	5.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	3.4	332.8	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	3.3	318.9	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	3.3	318.9	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	5.9	568.5	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	5.5	526.9	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	9.5	915.2	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	10.0	970.7
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	14.7	116.0	85.8	4.1	4.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	116.0	85.8	4.1	4.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.9	180.3
Phase6b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	9.6	929.1
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	1.2	10.3	8.2	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	6.5	625.5	1.2	10.3	8.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	1.5	13.1	10.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	13.1	10.2	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	6.3	610.1
Phase8b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	10.0	970.7
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Marine Calculations- 50/50 Scenario

	2022																			8	2023															9
	Pounds per day								Tons per year								Metric tons per year					Pounds per day								Tons per year								Metric tons per year				
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Phase1a	20.1	160.2	117.2	5.7	5.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	160.2	117.2	5.7	5.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	14.7	116.0	85.8	4.1	4.0	0.0	0.0	0.1	0.1	0.6	0.5	0.0	0.0	0.0	0.0	0.0	59.2	0.0	0.0	60.1	5800.2	14.7	116.0	85.8	4.1	4.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	4.6	443.7	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	1.2	10.3	8.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	10.3	8.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	1.5	13.1	10.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	13.1	10.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Marine Calculations- 50/50 Scenario

								2024														10
	Pounds per day								Tons per year								Metric tons per year					
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year	
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	
Phase1a	20.1	160.2	117.2	5.7	5.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase1b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase1c	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase2a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase2b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase3a	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase3b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase3c	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase4a	14.7	116.0	85.8	4.1	4.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase5a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase6a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase6b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase7a	1.2	10.3	8.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase8a	1.5	13.1	10.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase8b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Marine Calculations- 50/50 Scenario

	Tons per year								Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2020	0.4	3.5	2.6	0.1	0.1	0.0	0.0	0.0	286.0	0.0	0.0	290.0
2021	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	37.4	0.0	0.0	37.9
2022	0.1	0.7	0.6	0.0	0.0	0.0	0.0	0.0	63.8	0.0	0.0	64.6
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Year	Gal/yr
2020	28,009
2021	3,661
2022	6,244
2023	0
2024	0

Total ***37,914***

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2020	1/1/2020	0	0	0	0	0	0	0	0	0	0
2020	1/2/2020	0	0	0	0	0	0	0	0	0	0
2020	1/3/2020	0	0	0	0	0	0	0	0	0	0
2020	1/4/2020	0	0	0	0	0	0	0	0	0	0
2020	1/5/2020	0	0	0	0	0	0	0	0	0	0
2020	1/6/2020	0	0	0	0	0	0	0	0	0	0
2020	1/7/2020	0	0	0	0	0	0	0	0	0	0
2020	1/8/2020	0	0	0	0	0	0	0	0	0	0
2020	1/9/2020	0	0	0	0	0	0	0	0	0	0
2020	1/10/2020	0	0	0	0	0	0	0	0	0	0
2020	1/11/2020	0	0	0	0	0	0	0	0	0	0
2020	1/12/2020	0	0	0	0	0	0	0	0	0	0
2020	1/13/2020	0	0	0	0	0	0	0	0	0	0
2020	1/14/2020	0	0	0	0	0	0	0	0	0	0
2020	1/15/2020	0	0	0	0	0	0	0	0	0	0
2020	1/16/2020	0	0	0	0	0	0	0	0	0	0
2020	1/17/2020	0	0	0	0	0	0	0	0	0	0
2020	1/18/2020	0	0	0	0	0	0	0	0	0	0
2020	1/19/2020	0	0	0	0	0	0	0	0	0	0
2020	1/20/2020	0	0	0	0	0	0	0	0	0	0
2020	1/21/2020	0	0	0	0	0	0	0	0	0	0
2020	1/22/2020	0	0	0	0	0	0	0	0	0	0
2020	1/23/2020	0	0	0	0	0	0	0	0	0	0
2020	1/24/2020	0	0	0	0	0	0	0	0	0	0
2020	1/25/2020	0	0	0	0	0	0	0	0	0	0
2020	1/26/2020	0	0	0	0	0	0	0	0	0	0
2020	1/27/2020	0	0	0	0	0	0	0	0	0	0
2020	1/28/2020	0	0	0	0	0	0	0	0	0	0
2020	1/29/2020	0	0	0	0	0	0	0	0	0	0
2020	1/30/2020	0	0	0	0	0	0	0	0	0	0
2020	1/31/2020	0	0	0	0	0	0	0	0	0	0
2020	2/1/2020	0	0	0	0	0	0	0	0	0	0
2020	2/2/2020	0	0	0	0	0	0	0	0	0	0
2020	2/3/2020	0	0	0	0	0	0	0	0	0	0
2020	2/4/2020	0	0	0	0	0	0	0	0	0	0
2020	2/5/2020	0	0	0	0	0	0	0	0	0	0
2020	2/6/2020	0	0	0	0	0	0	0	0	0	0
2020	2/7/2020	0	0	0	0	0	0	0	0	0	0
2020	2/8/2020	0	0	0	0	0	0	0	0	0	0
2020	2/9/2020	0	0	0	0	0	0	0	0	0	0
2020	2/10/2020	0	0	0	0	0	0	0	0	0	0
2020	2/11/2020	0	0	0	0	0	0	0	0	0	0
2020	2/12/2020	0	0	0	0	0	0	0	0	0	0
2020	2/13/2020	0	0	0	0	0	0	0	0	0	0
2020	2/14/2020	0	0	0	0	0	0	0	0	0	0
2020	2/15/2020	0	0	0	0	0	0	0	0	0	0
2020	2/16/2020	0	0	0	0	0	0	0	0	0	0
2020	2/17/2020	0	0	0	0	0	0	0	0	0	0
2020	2/18/2020	0	0	0	0	0	0	0	0	0	0
2020	2/19/2020	0	0	0	0	0	0	0	0	0	0
2020	2/20/2020	0	0	0	0	0	0	0	0	0	0
2020	2/21/2020	0	0	0	0	0	0	0	0	0	0
2020	2/22/2020	0	0	0	0	0	0	0	0	0	0
2020	2/23/2020	0	0	0	0	0	0	0	0	0	0
2020	2/24/2020	0	0	0	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2020	2/25/2020	0	0	0	0	0	0	0	0	0	0
2020	2/26/2020	0	0	0	0	0	0	0	0	0	0
2020	2/27/2020	0	0	0	0	0	0	0	0	0	0
2020	2/28/2020	0	0	0	0	0	0	0	0	0	0
2020	2/29/2020	0	0	0	0	0	0	0	0	0	0
2020	3/1/2020	0	0	0	0	0	0	0	0	0	0
2020	3/2/2020	0	0	0	0	0	0	0	0	0	0
2020	3/3/2020	0	0	0	0	0	0	0	0	0	0
2020	3/4/2020	0	0	0	0	0	0	0	0	0	0
2020	3/5/2020	0	0	0	0	0	0	0	0	0	0
2020	3/6/2020	0	0	0	0	0	0	0	0	0	0
2020	3/7/2020	0	0	0	0	0	0	0	0	0	0
2020	3/8/2020	0	0	0	0	0	0	0	0	0	0
2020	3/9/2020	0	0	0	0	0	0	0	0	0	0
2020	3/10/2020	0	0	0	0	0	0	0	0	0	0
2020	3/11/2020	0	0	0	0	0	0	0	0	0	0
2020	3/12/2020	0	0	0	0	0	0	0	0	0	0
2020	3/13/2020	0	0	0	0	0	0	0	0	0	0
2020	3/14/2020	0	0	0	0	0	0	0	0	0	0
2020	3/15/2020	0	0	0	0	0	0	0	0	0	0
2020	3/16/2020	0	0	0	0	0	0	0	0	0	0
2020	3/17/2020	0	0	0	0	0	0	0	0	0	0
2020	3/18/2020	0	0	0	0	0	0	0	0	0	0
2020	3/19/2020	0	0	0	0	0	0	0	0	0	0
2020	3/20/2020	0	0	0	0	0	0	0	0	0	0
2020	3/21/2020	0	0	0	0	0	0	0	0	0	0
2020	3/22/2020	0	0	0	0	0	0	0	0	0	0
2020	3/23/2020	0	0	0	0	0	0	0	0	0	0
2020	3/24/2020	3	25	15	1	2	3	1	0	1	0
2020	3/25/2020	3	25	15	1	2	3	1	0	1	0
2020	3/26/2020	3	25	15	1	2	3	1	0	1	0
2020	3/27/2020	3	25	15	1	2	3	1	0	1	0
2020	3/28/2020	3	25	15	1	2	3	1	0	1	0
2020	3/29/2020	3	25	15	1	2	3	1	0	1	0
2020	3/30/2020	3	25	15	1	2	3	1	0	1	0
2020	3/31/2020	3	25	15	1	2	3	1	0	1	0
2020	4/1/2020	3	25	15	1	2	3	1	0	1	0
2020	4/2/2020	3	25	15	1	2	3	1	0	1	0
2020	4/3/2020	3	25	15	1	2	3	1	0	1	0
2020	4/4/2020	3	25	15	1	2	3	1	0	1	0
2020	4/5/2020	3	25	15	1	2	3	1	0	1	0
2020	4/6/2020	3	25	15	1	2	3	1	0	1	0
2020	4/7/2020	3	25	15	1	2	3	1	0	1	0
2020	4/8/2020	3	25	15	1	2	3	1	0	1	0
2020	4/9/2020	3	25	15	1	2	3	1	0	1	0
2020	4/10/2020	3	25	15	1	2	3	1	0	1	0
2020	4/11/2020	3	25	15	1	2	3	1	0	1	0
2020	4/12/2020	3	25	15	1	2	3	1	0	1	0
2020	4/13/2020	3	25	15	1	2	3	1	0	1	0
2020	4/14/2020	3	25	15	1	2	3	1	0	1	0
2020	4/15/2020	3	25	15	1	2	3	1	0	1	0
2020	4/16/2020	3	25	15	1	2	3	1	0	1	0
2020	4/17/2020	3	25	15	1	2	3	1	0	1	0
2020	4/18/2020	0	3	1	0	0	0	0	0	0	0
2020	4/19/2020	0	3	1	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2020	4/20/2020	0	3	1	0	0	0	0	0	0	0
2020	4/21/2020	1	12	7	0	0	1	0	0	0	0
2020	4/22/2020	1	12	7	0	0	1	0	0	0	0
2020	4/23/2020	1	12	7	0	0	1	0	0	0	0
2020	4/24/2020	1	12	7	0	0	1	0	0	0	0
2020	4/25/2020	1	12	7	0	0	1	0	0	0	0
2020	4/26/2020	1	12	7	0	0	1	0	0	0	0
2020	4/27/2020	1	12	7	0	0	1	0	0	0	0
2020	4/28/2020	2	20	12	1	0	1	1	0	1	0
2020	4/29/2020	1	12	7	0	0	1	0	0	0	0
2020	4/30/2020	1	10	6	0	0	1	0	0	0	0
2020	5/1/2020	1	10	6	0	0	1	0	0	0	0
2020	5/2/2020	1	10	6	0	0	1	0	0	0	0
2020	5/3/2020	1	10	6	0	0	1	0	0	0	0
2020	5/4/2020	1	10	6	0	0	1	0	0	0	0
2020	5/5/2020	1	10	6	0	0	1	0	0	0	0
2020	5/6/2020	1	10	6	0	0	1	0	0	0	0
2020	5/7/2020	1	10	6	0	0	1	0	0	0	0
2020	5/8/2020	1	10	6	0	0	1	0	0	0	0
2020	5/9/2020	1	10	6	0	0	1	0	0	0	0
2020	5/10/2020	1	10	6	0	0	1	0	0	0	0
2020	5/11/2020	1	10	6	0	0	1	0	0	0	0
2020	5/12/2020	1	10	6	0	0	1	0	0	0	0
2020	5/13/2020	1	10	6	0	0	1	0	0	0	0
2020	5/14/2020	1	10	6	0	0	1	0	0	0	0
2020	5/15/2020	1	10	6	0	0	1	0	0	0	0
2020	5/16/2020	1	10	6	0	0	1	0	0	0	0
2020	5/17/2020	1	10	6	0	0	1	0	0	0	0
2020	5/18/2020	1	10	6	0	0	1	0	0	0	0
2020	5/19/2020	1	10	6	0	0	1	0	0	0	0
2020	5/20/2020	1	10	6	0	0	1	0	0	0	0
2020	5/21/2020	1	10	6	0	0	1	0	0	0	0
2020	5/22/2020	1	10	6	0	0	1	0	0	0	0
2020	5/23/2020	0	3	1	0	0	0	0	0	0	0
2020	5/24/2020	0	3	1	0	0	0	0	0	0	0
2020	5/25/2020	0	3	1	0	0	0	0	0	0	0
2020	5/26/2020	0	3	1	0	0	0	0	0	0	0
2020	5/27/2020	0	3	1	0	0	0	0	0	0	0
2020	5/28/2020	0	3	1	0	0	0	0	0	0	0
2020	5/29/2020	0	3	1	0	0	0	0	0	0	0
2020	5/30/2020	0	3	1	0	0	0	0	0	0	0
2020	5/31/2020	0	3	1	0	0	0	0	0	0	0
2020	6/1/2020	3	26	17	1	1	2	1	0	1	0
2020	6/2/2020	3	26	17	1	1	2	1	0	1	0
2020	6/3/2020	3	26	17	1	1	2	1	0	1	0
2020	6/4/2020	3	26	17	1	1	2	1	0	1	0
2020	6/5/2020	3	26	17	1	1	2	1	0	1	0
2020	6/6/2020	3	26	17	1	1	2	1	0	1	0
2020	6/7/2020	3	26	17	1	1	2	1	0	1	0
2020	6/8/2020	3	26	17	1	1	2	1	0	1	0
2020	6/9/2020	3	26	17	1	1	2	1	0	1	0
2020	6/10/2020	3	26	17	1	1	2	1	0	1	0
2020	6/11/2020	3	26	17	1	1	2	1	0	1	0
2020	6/12/2020	3	26	17	1	1	2	1	0	1	0
2020	6/13/2020	3	26	17	1	1	2	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2020	6/14/2020	3	26	17	1	1	2	1	0	1	0
2020	6/15/2020	3	26	17	1	1	2	1	0	1	0
2020	6/16/2020	3	26	17	1	1	2	1	0	1	0
2020	6/17/2020	3	26	17	1	1	2	1	0	1	0
2020	6/18/2020	3	26	17	1	1	2	1	0	1	0
2020	6/19/2020	3	26	17	1	1	2	1	0	1	0
2020	6/20/2020	3	26	17	1	1	2	1	0	1	0
2020	6/21/2020	3	26	17	1	1	2	1	0	1	0
2020	6/22/2020	7	58	34	2	2	4	2	0	3	0
2020	6/23/2020	7	58	34	2	2	4	2	0	3	0
2020	6/24/2020	7	58	34	2	2	4	2	0	3	0
2020	6/25/2020	7	58	34	2	2	4	2	0	3	0
2020	6/26/2020	7	58	34	2	2	4	2	0	3	0
2020	6/27/2020	7	58	34	2	2	4	2	0	3	0
2020	6/28/2020	7	58	34	2	2	4	2	0	3	0
2020	6/29/2020	7	58	34	2	2	4	2	0	3	0
2020	6/30/2020	7	58	34	2	2	4	2	0	3	0
2020	7/1/2020	7	58	34	2	2	4	2	0	3	0
2020	7/2/2020	4	38	19	1	1	2	1	0	1	0
2020	7/3/2020	4	38	19	1	1	2	1	0	1	0
2020	7/4/2020	4	38	19	1	1	2	1	0	1	0
2020	7/5/2020	4	38	19	1	1	2	1	0	1	0
2020	7/6/2020	24	198	137	7	1	8	7	0	7	0
2020	7/7/2020	24	198	137	7	1	8	7	0	7	0
2020	7/8/2020	24	198	137	7	1	8	7	0	7	0
2020	7/9/2020	24	198	137	7	1	8	7	0	7	0
2020	7/10/2020	24	198	137	7	1	8	7	0	7	0
2020	7/11/2020	24	198	137	7	1	8	7	0	7	0
2020	7/12/2020	24	198	137	7	1	8	7	0	7	0
2020	7/13/2020	24	198	137	7	1	8	7	0	7	0
2020	7/14/2020	24	198	137	7	1	8	7	0	7	0
2020	7/15/2020	24	198	137	7	1	8	7	0	7	0
2020	7/16/2020	24	198	137	7	1	8	7	0	7	0
2020	7/17/2020	24	198	137	7	1	8	7	0	7	0
2020	7/18/2020	24	198	137	7	1	8	7	0	7	0
2020	7/19/2020	24	198	137	7	1	8	7	0	7	0
2020	7/20/2020	24	198	137	7	1	8	7	0	7	0
2020	7/21/2020	24	198	137	7	1	8	7	0	7	0
2020	7/22/2020	24	198	137	7	1	8	7	0	7	0
2020	7/23/2020	23	198	136	7	1	7	6	0	7	0
2020	7/24/2020	23	198	136	7	1	7	6	0	7	0
2020	7/25/2020	23	198	136	7	1	7	6	0	7	0
2020	7/26/2020	23	198	136	7	1	7	6	0	7	0
2020	7/27/2020	23	198	136	7	1	7	6	0	7	0
2020	7/28/2020	23	198	136	7	1	7	6	0	7	0
2020	7/29/2020	23	198	136	7	1	7	6	0	7	0
2020	7/30/2020	23	198	136	7	1	7	6	0	7	0
2020	7/31/2020	23	198	136	7	1	7	6	0	7	0
2020	8/1/2020	23	198	136	7	1	7	6	0	7	0
2020	8/2/2020	23	198	136	7	1	7	6	0	7	0
2020	8/3/2020	23	198	136	7	1	7	6	0	7	0
2020	8/4/2020	27	221	153	8	1	9	8	0	8	0
2020	8/5/2020	25	201	139	7	1	8	7	0	7	0
2020	8/6/2020	25	201	139	7	1	8	7	0	7	0
2020	8/7/2020	25	201	139	7	1	8	7	0	7	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2020	8/8/2020	25	201	139	7	1	8	7	0	7	0
2020	8/9/2020	25	201	139	7	1	8	7	0	7	0
2020	8/10/2020	25	201	139	7	1	8	7	0	7	0
2020	8/11/2020	27	220	152	8	1	9	8	0	8	0
2020	8/12/2020	27	220	152	8	1	9	8	0	8	0
2020	8/13/2020	27	220	152	8	1	9	8	0	8	0
2020	8/14/2020	7	60	35	3	1	3	2	0	3	0
2020	8/15/2020	7	60	35	3	1	3	2	0	3	0
2020	8/16/2020	7	60	35	3	1	3	2	0	3	0
2020	8/17/2020	7	60	35	3	1	3	2	0	3	0
2020	8/18/2020	7	60	35	3	1	3	2	0	3	0
2020	8/19/2020	7	60	35	3	1	3	2	0	3	0
2020	8/20/2020	7	58	34	3	1	3	2	0	3	0
2020	8/21/2020	7	58	34	3	1	3	2	0	3	0
2020	8/22/2020	7	56	33	2	1	3	2	0	2	0
2020	8/23/2020	7	56	33	2	1	3	2	0	2	0
2020	8/24/2020	7	56	33	2	1	3	2	0	2	0
2020	8/25/2020	7	56	33	2	1	3	2	0	2	0
2020	8/26/2020	7	56	33	2	1	3	2	0	2	0
2020	8/27/2020	7	56	33	2	1	3	2	0	2	0
2020	8/28/2020	7	56	33	2	1	3	2	0	2	0
2020	8/29/2020	7	56	33	2	1	3	2	0	2	0
2020	8/30/2020	7	56	33	2	1	3	2	0	2	0
2020	8/31/2020	7	56	33	2	1	3	2	0	2	0
2020	9/1/2020	7	56	33	2	1	3	2	0	2	0
2020	9/2/2020	7	56	33	2	1	3	2	0	2	0
2020	9/3/2020	7	56	33	2	1	3	2	0	2	0
2020	9/4/2020	7	56	33	2	1	3	2	0	2	0
2020	9/5/2020	7	56	33	2	1	3	2	0	2	0
2020	9/6/2020	7	56	33	2	1	3	2	0	2	0
2020	9/7/2020	7	56	33	2	1	3	2	0	2	0
2020	9/8/2020	7	56	33	2	1	3	2	0	2	0
2020	9/9/2020	7	56	33	2	1	3	2	0	2	0
2020	9/10/2020	7	56	33	2	1	3	2	0	2	0
2020	9/11/2020	7	56	33	2	1	3	2	0	2	0
2020	9/12/2020	7	56	33	2	1	3	2	0	2	0
2020	9/13/2020	7	56	33	2	1	3	2	0	2	0
2020	9/14/2020	7	56	33	2	1	3	2	0	2	0
2020	9/15/2020	7	56	33	2	1	3	2	0	2	0
2020	9/16/2020	7	56	33	2	1	3	2	0	2	0
2020	9/17/2020	7	56	33	2	1	3	2	0	2	0
2020	9/18/2020	7	56	33	2	1	3	2	0	2	0
2020	9/19/2020	7	56	33	2	1	3	2	0	2	0
2020	9/20/2020	7	56	33	2	1	3	2	0	2	0
2020	9/21/2020	7	56	33	2	1	3	2	0	2	0
2020	9/22/2020	7	56	33	2	1	3	2	0	2	0
2020	9/23/2020	7	56	33	2	1	3	2	0	2	0
2020	9/24/2020	7	56	33	2	1	3	2	0	2	0
2020	9/25/2020	7	56	33	2	1	3	2	0	2	0
2020	9/26/2020	7	56	33	2	1	3	2	0	2	0
2020	9/27/2020	7	56	33	2	1	3	2	0	2	0
2020	9/28/2020	7	56	33	2	1	3	2	0	2	0
2020	9/29/2020	7	56	33	2	1	3	2	0	2	0
2020	9/30/2020	3	32	16	1	0	2	1	0	1	0
2020	10/1/2020	0	3	1	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2020	10/2/2020	0	3	1	0	0	0	0	0	0	0
2020	10/3/2020	0	3	1	0	0	0	0	0	0	0
2020	10/4/2020	0	3	1	0	0	0	0	0	0	0
2020	10/5/2020	3	22	14	1	0	1	1	0	1	0
2020	10/6/2020	3	22	14	1	0	1	1	0	1	0
2020	10/7/2020	3	22	14	1	0	1	1	0	1	0
2020	10/8/2020	3	22	14	1	0	1	1	0	1	0
2020	10/9/2020	3	22	14	1	0	1	1	0	1	0
2020	10/10/2020	3	22	14	1	0	1	1	0	1	0
2020	10/11/2020	3	22	14	1	0	1	1	0	1	0
2020	10/12/2020	3	22	14	1	0	1	1	0	1	0
2020	10/13/2020	3	22	14	1	0	1	1	0	1	0
2020	10/14/2020	3	22	14	1	0	1	1	0	1	0
2020	10/15/2020	3	22	14	1	0	1	1	0	1	0
2020	10/16/2020	3	22	14	1	0	1	1	0	1	0
2020	10/17/2020	3	22	14	1	0	1	1	0	1	0
2020	10/18/2020	3	22	14	1	0	1	1	0	1	0
2020	10/19/2020	6	52	33	2	0	2	2	0	2	0
2020	10/20/2020	3	33	20	1	0	1	1	0	1	0
2020	10/21/2020	3	33	20	1	0	1	1	0	1	0
2020	10/22/2020	3	33	20	1	0	1	1	0	1	0
2020	10/23/2020	3	33	20	1	0	1	1	0	1	0
2020	10/24/2020	3	33	20	1	0	1	1	0	1	0
2020	10/25/2020	3	33	20	1	0	1	1	0	1	0
2020	10/26/2020	3	33	20	1	0	1	1	0	1	0
2020	10/27/2020	3	33	20	1	0	1	1	0	1	0
2020	10/28/2020	3	33	20	1	0	1	1	0	1	0
2020	10/29/2020	3	33	20	1	0	1	1	0	1	0
2020	10/30/2020	3	33	20	1	0	1	1	0	1	0
2020	10/31/2020	3	33	20	1	0	1	1	0	1	0
2020	11/1/2020	3	33	20	1	0	1	1	0	1	0
2020	11/2/2020	3	33	20	1	0	1	1	0	1	0
2020	11/3/2020	3	33	20	1	0	1	1	0	1	0
2020	11/4/2020	3	33	20	1	0	1	1	0	1	0
2020	11/5/2020	3	33	20	1	0	1	1	0	1	0
2020	11/6/2020	3	28	19	1	0	1	1	0	1	0
2020	11/7/2020	3	28	19	1	0	1	1	0	1	0
2020	11/8/2020	3	28	19	1	0	1	1	0	1	0
2020	11/9/2020	3	28	19	1	0	1	1	0	1	0
2020	11/10/2020	3	28	19	1	0	1	1	0	1	0
2020	11/11/2020	3	28	19	1	0	1	1	0	1	0
2020	11/12/2020	3	28	19	1	0	1	1	0	1	0
2020	11/13/2020	3	28	19	1	0	1	1	0	1	0
2020	11/14/2020	3	28	19	1	0	1	1	0	1	0
2020	11/15/2020	3	28	19	1	0	1	1	0	1	0
2020	11/16/2020	3	28	19	1	0	1	1	0	1	0
2020	11/17/2020	3	28	19	1	0	1	1	0	1	0
2020	11/18/2020	3	28	19	1	0	1	1	0	1	0
2020	11/19/2020	3	28	19	1	0	1	1	0	1	0
2020	11/20/2020	3	28	19	1	0	1	1	0	1	0
2020	11/21/2020	3	28	19	1	0	1	1	0	1	0
2020	11/22/2020	3	28	19	1	0	1	1	0	1	0
2020	11/23/2020	3	28	19	1	0	1	1	0	1	0
2020	11/24/2020	3	28	19	1	0	1	1	0	1	0
2020	11/25/2020	3	28	19	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2020	11/26/2020	3	28	19	1	0	1	1	0	1	0
2020	11/27/2020	3	28	19	1	0	1	1	0	1	0
2020	11/28/2020	3	28	19	1	0	1	1	0	1	0
2020	11/29/2020	3	28	19	1	0	1	1	0	1	0
2020	11/30/2020	3	28	19	1	0	1	1	0	1	0
2020	12/1/2020	3	28	19	1	0	1	1	0	1	0
2020	12/2/2020	3	28	19	1	0	1	1	0	1	0
2020	12/3/2020	3	28	19	1	0	1	1	0	1	0
2020	12/4/2020	3	28	19	1	0	1	1	0	1	0
2020	12/5/2020	3	28	19	1	0	1	1	0	1	0
2020	12/6/2020	3	28	19	1	0	1	1	0	1	0
2020	12/7/2020	3	28	19	1	0	1	1	0	1	0
2020	12/8/2020	3	28	19	1	0	1	1	0	1	0
2020	12/9/2020	3	28	19	1	0	1	1	0	1	0
2020	12/10/2020	3	28	19	1	0	1	1	0	1	0
2020	12/11/2020	3	28	19	1	0	1	1	0	1	0
2020	12/12/2020	3	28	19	1	0	1	1	0	1	0
2020	12/13/2020	3	28	19	1	0	1	1	0	1	0
2020	12/14/2020	3	28	19	1	0	1	1	0	1	0
2020	12/15/2020	3	28	19	1	0	1	1	0	1	0
2020	12/16/2020	3	28	19	1	0	1	1	0	1	0
2020	12/17/2020	3	28	19	1	0	1	1	0	1	0
2020	12/18/2020	3	28	19	1	0	1	1	0	1	0
2020	12/19/2020	3	28	19	1	0	1	1	0	1	0
2020	12/20/2020	3	28	19	1	0	1	1	0	1	0
2020	12/21/2020	3	28	19	1	0	1	1	0	1	0
2020	12/22/2020	3	28	19	1	0	1	1	0	1	0
2020	12/23/2020	0	0	0	0	0	0	0	0	0	0
2020	12/24/2020	0	0	0	0	0	0	0	0	0	0
2020	12/25/2020	0	0	0	0	0	0	0	0	0	0
2020	12/26/2020	0	0	0	0	0	0	0	0	0	0
2020	12/27/2020	0	0	0	0	0	0	0	0	0	0
2020	12/28/2020	0	0	0	0	0	0	0	0	0	0
2020	12/29/2020	0	0	0	0	0	0	0	0	0	0
2020	12/30/2020	0	0	0	0	0	0	0	0	0	0
2020	12/31/2020	0	0	0	0	0	0	0	0	0	0
2021	1/1/2021	0	0	0	0	0	0	0	0	0	0
2021	1/2/2021	0	0	0	0	0	0	0	0	0	0
2021	1/3/2021	0	0	0	0	0	0	0	0	0	0
2021	1/4/2021	0	0	0	0	0	0	0	0	0	0
2021	1/5/2021	0	0	0	0	0	0	0	0	0	0
2021	1/6/2021	0	0	0	0	0	0	0	0	0	0
2021	1/7/2021	0	0	0	0	0	0	0	0	0	0
2021	1/8/2021	0	0	0	0	0	0	0	0	0	0
2021	1/9/2021	0	0	0	0	0	0	0	0	0	0
2021	1/10/2021	0	0	0	0	0	0	0	0	0	0
2021	1/11/2021	0	0	0	0	0	0	0	0	0	0
2021	1/12/2021	0	0	0	0	0	0	0	0	0	0
2021	1/13/2021	0	0	0	0	0	0	0	0	0	0
2021	1/14/2021	0	0	0	0	0	0	0	0	0	0
2021	1/15/2021	0	0	0	0	0	0	0	0	0	0
2021	1/16/2021	0	0	0	0	0	0	0	0	0	0
2021	1/17/2021	0	0	0	0	0	0	0	0	0	0
2021	1/18/2021	0	0	0	0	0	0	0	0	0	0
2021	1/19/2021	0	0	0	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2021	1/20/2021	0	0	0	0	0	0	0	0	0	0
2021	1/21/2021	0	0	0	0	0	0	0	0	0	0
2021	1/22/2021	0	0	0	0	0	0	0	0	0	0
2021	1/23/2021	0	0	0	0	0	0	0	0	0	0
2021	1/24/2021	0	0	0	0	0	0	0	0	0	0
2021	1/25/2021	0	0	0	0	0	0	0	0	0	0
2021	1/26/2021	0	0	0	0	0	0	0	0	0	0
2021	1/27/2021	0	0	0	0	0	0	0	0	0	0
2021	1/28/2021	0	0	0	0	0	0	0	0	0	0
2021	1/29/2021	0	0	0	0	0	0	0	0	0	0
2021	1/30/2021	0	0	0	0	0	0	0	0	0	0
2021	1/31/2021	0	0	0	0	0	0	0	0	0	0
2021	2/1/2021	3	24	16	1	0	1	1	0	1	0
2021	2/2/2021	3	24	16	1	0	1	1	0	1	0
2021	2/3/2021	3	24	16	1	0	1	1	0	1	0
2021	2/4/2021	3	24	16	1	0	1	1	0	1	0
2021	2/5/2021	3	24	16	1	0	1	1	0	1	0
2021	2/6/2021	3	24	16	1	0	1	1	0	1	0
2021	2/7/2021	3	24	16	1	0	1	1	0	1	0
2021	2/8/2021	3	24	16	1	0	1	1	0	1	0
2021	2/9/2021	3	24	16	1	0	1	1	0	1	0
2021	2/10/2021	3	24	16	1	0	1	1	0	1	0
2021	2/11/2021	3	24	16	1	0	1	1	0	1	0
2021	2/12/2021	3	24	16	1	0	1	1	0	1	0
2021	2/13/2021	3	24	16	1	0	1	1	0	1	0
2021	2/14/2021	3	24	16	1	0	1	1	0	1	0
2021	2/15/2021	5	40	27	2	0	2	1	0	1	0
2021	2/16/2021	2	17	11	1	0	1	1	0	1	0
2021	2/17/2021	2	17	11	1	0	1	1	0	1	0
2021	2/18/2021	2	17	11	1	0	1	1	0	1	0
2021	2/19/2021	2	17	11	1	0	1	1	0	1	0
2021	2/20/2021	2	17	11	1	0	1	1	0	1	0
2021	2/21/2021	2	17	11	1	0	1	1	0	1	0
2021	2/22/2021	2	17	11	1	0	1	1	0	1	0
2021	2/23/2021	2	17	11	1	0	1	1	0	1	0
2021	2/24/2021	2	17	11	1	0	1	1	0	1	0
2021	2/25/2021	2	17	11	1	0	1	1	0	1	0
2021	2/26/2021	2	17	11	1	0	1	1	0	1	0
2021	2/27/2021	2	17	11	1	0	1	1	0	1	0
2021	2/28/2021	2	17	11	1	0	1	1	0	1	0
2021	3/1/2021	2	17	11	1	0	1	1	0	1	0
2021	3/2/2021	2	17	11	1	0	1	1	0	1	0
2021	3/3/2021	2	17	11	1	0	1	1	0	1	0
2021	3/4/2021	2	17	11	1	0	1	1	0	1	0
2021	3/5/2021	2	17	11	1	0	1	1	0	1	0
2021	3/6/2021	2	17	11	1	0	1	1	0	1	0
2021	3/7/2021	2	17	11	1	0	1	1	0	1	0
2021	3/8/2021	2	17	11	1	0	1	1	0	1	0
2021	3/9/2021	2	17	11	1	0	1	1	0	1	0
2021	3/10/2021	2	17	11	1	0	1	1	0	1	0
2021	3/11/2021	2	17	11	1	0	1	1	0	1	0
2021	3/12/2021	2	17	11	1	0	1	1	0	1	0
2021	3/13/2021	2	17	11	1	0	1	1	0	1	0
2021	3/14/2021	2	17	11	1	0	1	1	0	1	0
2021	3/15/2021	2	17	11	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2021	3/16/2021	2	17	11	1	0	1	1	0	1	0
2021	3/17/2021	2	17	11	1	0	1	1	0	1	0
2021	3/18/2021	2	17	11	1	0	1	1	0	1	0
2021	3/19/2021	2	17	11	1	0	1	1	0	1	0
2021	3/20/2021	2	17	11	1	0	1	1	0	1	0
2021	3/21/2021	2	17	11	1	0	1	1	0	1	0
2021	3/22/2021	2	17	11	1	0	1	1	0	1	0
2021	3/23/2021	2	17	11	1	0	1	1	0	1	0
2021	3/24/2021	2	17	11	1	0	1	1	0	1	0
2021	3/25/2021	2	17	11	1	0	1	1	0	1	0
2021	3/26/2021	2	17	11	1	0	1	1	0	1	0
2021	3/27/2021	2	17	11	1	0	1	1	0	1	0
2021	3/28/2021	2	17	11	1	0	1	1	0	1	0
2021	3/29/2021	2	17	11	1	0	1	1	0	1	0
2021	3/30/2021	2	17	11	1	0	1	1	0	1	0
2021	3/31/2021	2	17	11	1	0	1	1	0	1	0
2021	4/1/2021	2	17	11	1	0	1	1	0	1	0
2021	4/2/2021	2	17	11	1	0	1	1	0	1	0
2021	4/3/2021	0	0	0	0	0	0	0	0	0	0
2021	4/4/2021	0	0	0	0	0	0	0	0	0	0
2021	4/5/2021	3	23	17	1	0	1	1	0	1	0
2021	4/6/2021	3	23	17	1	0	1	1	0	1	0
2021	4/7/2021	3	23	17	1	0	1	1	0	1	0
2021	4/8/2021	3	23	17	1	0	1	1	0	1	0
2021	4/9/2021	3	23	17	1	0	1	1	0	1	0
2021	4/10/2021	3	23	17	1	0	1	1	0	1	0
2021	4/11/2021	3	23	17	1	0	1	1	0	1	0
2021	4/12/2021	3	23	17	1	0	1	1	0	1	0
2021	4/13/2021	3	23	17	1	0	1	1	0	1	0
2021	4/14/2021	3	23	17	1	0	1	1	0	1	0
2021	4/15/2021	3	23	17	1	0	1	1	0	1	0
2021	4/16/2021	3	23	17	1	0	1	1	0	1	0
2021	4/17/2021	3	23	17	1	0	1	1	0	1	0
2021	4/18/2021	3	23	17	1	0	1	1	0	1	0
2021	4/19/2021	3	23	17	1	0	1	1	0	1	0
2021	4/20/2021	3	23	17	1	0	1	1	0	1	0
2021	4/21/2021	3	23	17	1	0	1	1	0	1	0
2021	4/22/2021	3	23	17	1	0	1	1	0	1	0
2021	4/23/2021	3	23	17	1	0	1	1	0	1	0
2021	4/24/2021	3	23	17	1	0	1	1	0	1	0
2021	4/25/2021	3	23	17	1	0	1	1	0	1	0
2021	4/26/2021	3	23	17	1	0	1	1	0	1	0
2021	4/27/2021	3	23	17	1	0	1	1	0	1	0
2021	4/28/2021	3	23	17	1	0	1	1	0	1	0
2021	4/29/2021	3	23	17	1	0	1	1	0	1	0
2021	4/30/2021	3	23	17	1	0	1	1	0	1	0
2021	5/1/2021	3	23	17	1	0	1	1	0	1	0
2021	5/2/2021	3	23	17	1	0	1	1	0	1	0
2021	5/3/2021	3	23	17	1	0	1	1	0	1	0
2021	5/4/2021	3	23	17	1	0	1	1	0	1	0
2021	5/5/2021	3	23	17	1	0	1	1	0	1	0
2021	5/6/2021	3	23	17	1	0	1	1	0	1	0
2021	5/7/2021	3	23	17	1	0	1	1	0	1	0
2021	5/8/2021	3	23	17	1	0	1	1	0	1	0
2021	5/9/2021	3	23	17	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2021	5/10/2021	3	23	17	1	0	1	1	0	1	0
2021	5/11/2021	3	23	17	1	0	1	1	0	1	0
2021	5/12/2021	3	23	17	1	0	1	1	0	1	0
2021	5/13/2021	3	23	17	1	0	1	1	0	1	0
2021	5/14/2021	3	23	17	1	0	1	1	0	1	0
2021	5/15/2021	3	23	17	1	0	1	1	0	1	0
2021	5/16/2021	3	23	17	1	0	1	1	0	1	0
2021	5/17/2021	3	23	17	1	0	1	1	0	1	0
2021	5/18/2021	3	23	17	1	0	1	1	0	1	0
2021	5/19/2021	3	23	17	1	0	1	1	0	1	0
2021	5/20/2021	3	23	17	1	0	1	1	0	1	0
2021	5/21/2021	3	23	17	1	0	1	1	0	1	0
2021	5/22/2021	0	0	0	0	0	0	0	0	0	0
2021	5/23/2021	0	0	0	0	0	0	0	0	0	0
2021	5/24/2021	0	0	0	0	0	0	0	0	0	0
2021	5/25/2021	0	0	0	0	0	0	0	0	0	0
2021	5/26/2021	0	0	0	0	0	0	0	0	0	0
2021	5/27/2021	0	0	0	0	0	0	0	0	0	0
2021	5/28/2021	0	0	0	0	0	0	0	0	0	0
2021	5/29/2021	0	0	0	0	0	0	0	0	0	0
2021	5/30/2021	0	0	0	0	0	0	0	0	0	0
2021	5/31/2021	0	0	0	0	0	0	0	0	0	0
2021	6/1/2021	0	0	0	0	0	0	0	0	0	0
2021	6/2/2021	0	0	0	0	0	0	0	0	0	0
2021	6/3/2021	0	0	0	0	0	0	0	0	0	0
2021	6/4/2021	0	0	0	0	0	0	0	0	0	0
2021	6/5/2021	0	0	0	0	0	0	0	0	0	0
2021	6/6/2021	0	0	0	0	0	0	0	0	0	0
2021	6/7/2021	0	0	0	0	0	0	0	0	0	0
2021	6/8/2021	0	0	0	0	0	0	0	0	0	0
2021	6/9/2021	0	0	0	0	0	0	0	0	0	0
2021	6/10/2021	0	0	0	0	0	0	0	0	0	0
2021	6/11/2021	0	0	0	0	0	0	0	0	0	0
2021	6/12/2021	0	0	0	0	0	0	0	0	0	0
2021	6/13/2021	0	0	0	0	0	0	0	0	0	0
2021	6/14/2021	4	33	24	1	0	2	1	0	1	0
2021	6/15/2021	4	33	24	1	0	2	1	0	1	0
2021	6/16/2021	4	33	24	1	0	2	1	0	1	0
2021	6/17/2021	4	33	24	1	0	2	1	0	1	0
2021	6/18/2021	4	33	24	1	0	2	1	0	1	0
2021	6/19/2021	4	33	24	1	0	2	1	0	1	0
2021	6/20/2021	4	33	24	1	0	2	1	0	1	0
2021	6/21/2021	4	33	24	1	0	2	1	0	1	0
2021	6/22/2021	4	33	24	1	0	2	1	0	1	0
2021	6/23/2021	4	33	24	1	0	2	1	0	1	0
2021	6/24/2021	4	33	24	1	0	2	1	0	1	0
2021	6/25/2021	4	33	24	1	0	2	1	0	1	0
2021	6/26/2021	4	33	24	1	0	2	1	0	1	0
2021	6/27/2021	4	33	24	1	0	2	1	0	1	0
2021	6/28/2021	4	35	25	1	0	2	1	0	1	0
2021	6/29/2021	4	35	25	1	0	2	1	0	1	0
2021	6/30/2021	7	53	39	2	0	3	2	0	2	0
2021	7/1/2021	3	23	16	1	0	1	1	0	1	0
2021	7/2/2021	3	23	16	1	0	1	1	0	1	0
2021	7/3/2021	3	23	16	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2021	7/4/2021	3	23	16	1	0	1	1	0	1	0
2021	7/5/2021	3	23	16	1	0	1	1	0	1	0
2021	7/6/2021	3	23	16	1	0	1	1	0	1	0
2021	7/7/2021	3	23	16	1	0	1	1	0	1	0
2021	7/8/2021	3	23	16	1	0	1	1	0	1	0
2021	7/9/2021	3	23	16	1	0	1	1	0	1	0
2021	7/10/2021	3	23	16	1	0	1	1	0	1	0
2021	7/11/2021	3	23	16	1	0	1	1	0	1	0
2021	7/12/2021	3	23	16	1	0	1	1	0	1	0
2021	7/13/2021	3	23	16	1	0	1	1	0	1	0
2021	7/14/2021	3	21	15	1	0	1	1	0	1	0
2021	7/15/2021	3	21	15	1	0	1	1	0	1	0
2021	7/16/2021	3	21	15	1	0	1	1	0	1	0
2021	7/17/2021	3	21	15	1	0	1	1	0	1	0
2021	7/18/2021	3	21	15	1	0	1	1	0	1	0
2021	7/19/2021	3	21	15	1	0	1	1	0	1	0
2021	7/20/2021	3	21	15	1	0	1	1	0	1	0
2021	7/21/2021	3	21	15	1	0	1	1	0	1	0
2021	7/22/2021	3	21	15	1	0	1	1	0	1	0
2021	7/23/2021	3	21	15	1	0	1	1	0	1	0
2021	7/24/2021	3	21	15	1	0	1	1	0	1	0
2021	7/25/2021	3	21	15	1	0	1	1	0	1	0
2021	7/26/2021	3	21	15	1	0	1	1	0	1	0
2021	7/27/2021	3	21	15	1	0	1	1	0	1	0
2021	7/28/2021	3	21	15	1	0	1	1	0	1	0
2021	7/29/2021	3	21	15	1	0	1	1	0	1	0
2021	7/30/2021	3	21	15	1	0	1	1	0	1	0
2021	7/31/2021	3	21	15	1	0	1	1	0	1	0
2021	8/1/2021	3	21	15	1	0	1	1	0	1	0
2021	8/2/2021	3	21	15	1	0	1	1	0	1	0
2021	8/3/2021	3	21	15	1	0	1	1	0	1	0
2021	8/4/2021	3	21	15	1	0	1	1	0	1	0
2021	8/5/2021	3	21	15	1	0	1	1	0	1	0
2021	8/6/2021	3	21	15	1	0	1	1	0	1	0
2021	8/7/2021	3	21	15	1	0	1	1	0	1	0
2021	8/8/2021	3	21	15	1	0	1	1	0	1	0
2021	8/9/2021	3	21	15	1	0	1	1	0	1	0
2021	8/10/2021	3	21	15	1	0	1	1	0	1	0
2021	8/11/2021	3	21	15	1	0	1	1	0	1	0
2021	8/12/2021	3	21	15	1	0	1	1	0	1	0
2021	8/13/2021	3	21	15	1	0	1	1	0	1	0
2021	8/14/2021	3	21	15	1	0	1	1	0	1	0
2021	8/15/2021	3	21	15	1	0	1	1	0	1	0
2021	8/16/2021	3	21	15	1	0	1	1	0	1	0
2021	8/17/2021	3	21	15	1	0	1	1	0	1	0
2021	8/18/2021	3	21	15	1	0	1	1	0	1	0
2021	8/19/2021	3	21	15	1	0	1	1	0	1	0
2021	8/20/2021	3	21	15	1	0	1	1	0	1	0
2021	8/21/2021	3	21	15	1	0	1	1	0	1	0
2021	8/22/2021	3	21	15	1	0	1	1	0	1	0
2021	8/23/2021	3	21	15	1	0	1	1	0	1	0
2021	8/24/2021	3	21	15	1	0	1	1	0	1	0
2021	8/25/2021	3	21	15	1	0	1	1	0	1	0
2021	8/26/2021	3	21	15	1	0	1	1	0	1	0
2021	8/27/2021	3	21	15	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2021	8/28/2021	3	21	15	1	0	1	1	0	1	0
2021	8/29/2021	3	21	15	1	0	1	1	0	1	0
2021	8/30/2021	3	21	15	1	0	1	1	0	1	0
2021	8/31/2021	3	21	15	1	0	1	1	0	1	0
2021	9/1/2021	3	21	15	1	0	1	1	0	1	0
2021	9/2/2021	3	21	15	1	0	1	1	0	1	0
2021	9/3/2021	3	21	15	1	0	1	1	0	1	0
2021	9/4/2021	3	21	15	1	0	1	1	0	1	0
2021	9/5/2021	3	21	15	1	0	1	1	0	1	0
2021	9/6/2021	3	21	15	1	0	1	1	0	1	0
2021	9/7/2021	3	21	15	1	0	1	1	0	1	0
2021	9/8/2021	3	21	15	1	0	1	1	0	1	0
2021	9/9/2021	3	21	15	1	0	1	1	0	1	0
2021	9/10/2021	3	21	15	1	0	1	1	0	1	0
2021	9/11/2021	3	21	15	1	0	1	1	0	1	0
2021	9/12/2021	3	21	15	1	0	1	1	0	1	0
2021	9/13/2021	3	21	15	1	0	1	1	0	1	0
2021	9/14/2021	3	21	15	1	0	1	1	0	1	0
2021	9/15/2021	3	21	15	1	0	1	1	0	1	0
2021	9/16/2021	3	21	15	1	0	1	1	0	1	0
2021	9/17/2021	3	21	15	1	0	1	1	0	1	0
2021	9/18/2021	3	21	15	1	0	1	1	0	1	0
2021	9/19/2021	3	21	15	1	0	1	1	0	1	0
2021	9/20/2021	3	21	15	1	0	1	1	0	1	0
2021	9/21/2021	3	21	15	1	0	1	1	0	1	0
2021	9/22/2021	3	21	15	1	0	1	1	0	1	0
2021	9/23/2021	3	21	15	1	0	1	1	0	1	0
2021	9/24/2021	3	21	15	1	0	1	1	0	1	0
2021	9/25/2021	3	21	15	1	0	1	1	0	1	0
2021	9/26/2021	3	21	15	1	0	1	1	0	1	0
2021	9/27/2021	3	21	15	1	0	1	1	0	1	0
2021	9/28/2021	3	21	15	1	0	1	1	0	1	0
2021	9/29/2021	3	21	15	1	0	1	1	0	1	0
2021	9/30/2021	3	21	15	1	0	1	1	0	1	0
2021	10/1/2021	0	0	0	0	0	0	0	0	0	0
2021	10/2/2021	0	0	0	0	0	0	0	0	0	0
2021	10/3/2021	0	0	0	0	0	0	0	0	0	0
2021	10/4/2021	0	0	0	0	0	0	0	0	0	0
2021	10/5/2021	0	0	0	0	0	0	0	0	0	0
2021	10/6/2021	0	0	0	0	0	0	0	0	0	0
2021	10/7/2021	0	0	0	0	0	0	0	0	0	0
2021	10/8/2021	0	0	0	0	0	0	0	0	0	0
2021	10/9/2021	0	0	0	0	0	0	0	0	0	0
2021	10/10/2021	0	0	0	0	0	0	0	0	0	0
2021	10/11/2021	0	0	0	0	0	0	0	0	0	0
2021	10/12/2021	0	0	0	0	0	0	0	0	0	0
2021	10/13/2021	0	0	0	0	0	0	0	0	0	0
2021	10/14/2021	0	0	0	0	0	0	0	0	0	0
2021	10/15/2021	0	0	0	0	0	0	0	0	0	0
2021	10/16/2021	0	0	0	0	0	0	0	0	0	0
2021	10/17/2021	0	0	0	0	0	0	0	0	0	0
2021	10/18/2021	0	0	0	0	0	0	0	0	0	0
2021	10/19/2021	0	0	0	0	0	0	0	0	0	0
2021	10/20/2021	0	0	0	0	0	0	0	0	0	0
2021	10/21/2021	0	0	0	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2021	10/22/2021	0	0	0	0	0	0	0	0	0	0
2021	10/23/2021	0	0	0	0	0	0	0	0	0	0
2021	10/24/2021	0	0	0	0	0	0	0	0	0	0
2021	10/25/2021	0	0	0	0	0	0	0	0	0	0
2021	10/26/2021	0	0	0	0	0	0	0	0	0	0
2021	10/27/2021	0	0	0	0	0	0	0	0	0	0
2021	10/28/2021	0	0	0	0	0	0	0	0	0	0
2021	10/29/2021	0	0	0	0	0	0	0	0	0	0
2021	10/30/2021	0	0	0	0	0	0	0	0	0	0
2021	10/31/2021	0	0	0	0	0	0	0	0	0	0
2021	11/1/2021	0	0	0	0	0	0	0	0	0	0
2021	11/2/2021	0	0	0	0	0	0	0	0	0	0
2021	11/3/2021	0	0	0	0	0	0	0	0	0	0
2021	11/4/2021	0	0	0	0	0	0	0	0	0	0
2021	11/5/2021	0	0	0	0	0	0	0	0	0	0
2021	11/6/2021	0	0	0	0	0	0	0	0	0	0
2021	11/7/2021	0	0	0	0	0	0	0	0	0	0
2021	11/8/2021	1	7	6	0	0	0	0	0	0	0
2021	11/9/2021	1	7	6	0	0	0	0	0	0	0
2021	11/10/2021	1	7	6	0	0	0	0	0	0	0
2021	11/11/2021	1	7	6	0	0	0	0	0	0	0
2021	11/12/2021	1	7	6	0	0	0	0	0	0	0
2021	11/13/2021	1	7	6	0	0	0	0	0	0	0
2021	11/14/2021	1	7	6	0	0	0	0	0	0	0
2021	11/15/2021	1	7	6	0	0	0	0	0	0	0
2021	11/16/2021	1	7	6	0	0	0	0	0	0	0
2021	11/17/2021	1	7	6	0	0	0	0	0	0	0
2021	11/18/2021	1	7	6	0	0	0	0	0	0	0
2021	11/19/2021	1	7	6	0	0	0	0	0	0	0
2021	11/20/2021	1	7	6	0	0	0	0	0	0	0
2021	11/21/2021	1	7	6	0	0	0	0	0	0	0
2021	11/22/2021	1	7	6	0	0	0	0	0	0	0
2021	11/23/2021	1	7	6	0	0	0	0	0	0	0
2021	11/24/2021	1	7	6	0	0	0	0	0	0	0
2021	11/25/2021	1	7	6	0	0	0	0	0	0	0
2021	11/26/2021	1	7	6	0	0	0	0	0	0	0
2021	11/27/2021	1	7	6	0	0	0	0	0	0	0
2021	11/28/2021	1	7	6	0	0	0	0	0	0	0
2021	11/29/2021	1	7	6	0	0	0	0	0	0	0
2021	11/30/2021	1	7	6	0	0	0	0	0	0	0
2021	12/1/2021	1	7	6	0	0	0	0	0	0	0
2021	12/2/2021	1	7	6	0	0	0	0	0	0	0
2021	12/3/2021	1	7	6	0	0	0	0	0	0	0
2021	12/4/2021	1	7	6	0	0	0	0	0	0	0
2021	12/5/2021	1	7	6	0	0	0	0	0	0	0
2021	12/6/2021	1	7	6	0	0	0	0	0	0	0
2021	12/7/2021	1	7	6	0	0	0	0	0	0	0
2021	12/8/2021	1	7	6	0	0	0	0	0	0	0
2021	12/9/2021	1	7	6	0	0	0	0	0	0	0
2021	12/10/2021	1	7	6	0	0	0	0	0	0	0
2021	12/11/2021	1	7	6	0	0	0	0	0	0	0
2021	12/12/2021	1	7	6	0	0	0	0	0	0	0
2021	12/13/2021	2	13	12	1	0	1	1	0	1	0
2021	12/14/2021	1	6	6	0	0	0	0	0	0	0
2021	12/15/2021	1	6	6	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2021	12/16/2021	1	6	6	0	0	0	0	0	0	0
2021	12/17/2021	1	6	6	0	0	0	0	0	0	0
2021	12/18/2021	1	6	6	0	0	0	0	0	0	0
2021	12/19/2021	1	6	6	0	0	0	0	0	0	0
2021	12/20/2021	1	6	6	0	0	0	0	0	0	0
2021	12/21/2021	1	6	6	0	0	0	0	0	0	0
2021	12/22/2021	1	6	6	0	0	0	0	0	0	0
2021	12/23/2021	1	6	6	0	0	0	0	0	0	0
2021	12/24/2021	1	6	6	0	0	0	0	0	0	0
2021	12/25/2021	1	6	6	0	0	0	0	0	0	0
2021	12/26/2021	1	6	6	0	0	0	0	0	0	0
2021	12/27/2021	1	6	6	0	0	0	0	0	0	0
2021	12/28/2021	1	6	6	0	0	0	0	0	0	0
2021	12/29/2021	1	6	6	0	0	0	0	0	0	0
2021	12/30/2021	1	6	6	0	0	0	0	0	0	0
2021	12/31/2021	1	6	6	0	0	0	0	0	0	0
2022	1/1/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/2/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/3/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/4/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/5/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/6/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/7/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/8/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/9/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/10/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/11/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/12/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/13/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/14/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/15/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/16/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/17/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/18/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/19/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/20/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/21/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/22/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/23/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/24/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/25/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/26/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/27/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/28/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/29/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/30/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	1/31/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/1/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/2/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/3/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/4/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/5/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/6/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/7/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/8/2022	1	6	6	0	0	0	0	0	0	0.0109

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2022	2/9/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/10/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/11/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/12/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/13/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/14/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/15/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/16/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/17/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/18/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/19/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/20/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/21/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/22/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/23/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	2/24/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	2/25/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	2/26/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	2/27/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	2/28/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	3/1/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/2/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/3/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/4/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/5/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/6/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/7/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/8/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/9/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/10/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/11/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/12/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/13/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/14/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/15/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/16/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/17/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/18/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/19/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/20/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/21/2022	1	6	6	0	0	0	0	0	0	0.0129
2022	3/22/2022	2	12	12	1	0	1	1	0	1	0.0238
2022	3/23/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	3/24/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	3/25/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	3/26/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	3/27/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	3/28/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	3/29/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	3/30/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	3/31/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/1/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/2/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/3/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/4/2022	1	6	6	0	0	0	0	0	0	0.0109

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2022	4/5/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/6/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/7/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/8/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/9/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/10/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/11/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/12/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/13/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/14/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/15/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/16/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/17/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/18/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/19/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/20/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/21/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/22/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/23/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/24/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/25/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/26/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/27/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/28/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/29/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	4/30/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/1/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/2/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/3/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/4/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/5/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/6/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/7/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/8/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/9/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/10/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/11/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/12/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/13/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/14/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/15/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/16/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/17/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/18/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/19/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/20/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/21/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/22/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/23/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/24/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/25/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/26/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/27/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/28/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/29/2022	1	6	6	0	0	0	0	0	0	0.0109

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2022	5/30/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	5/31/2022	1	6	6	0	0	0	0	0	0	0.0109
2022	6/1/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/2/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/3/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/4/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/5/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/6/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/7/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/8/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/9/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/10/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/11/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/12/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/13/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/14/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/15/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/16/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/17/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/18/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/19/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/20/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/21/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/22/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/23/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/24/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/25/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/26/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/27/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/28/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/29/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	6/30/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/1/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/2/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/3/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/4/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/5/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/6/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/7/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/8/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/9/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/10/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/11/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/12/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/13/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/14/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/15/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/16/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/17/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/18/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/19/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/20/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/21/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/22/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/23/2022	16	131	97	5	0	5	4	0	4	0.1709

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2022	7/24/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/25/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/26/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/27/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/28/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/29/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/30/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	7/31/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	8/1/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	8/2/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	8/3/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	8/4/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	8/5/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	8/6/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	8/7/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	8/8/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	8/9/2022	16	131	97	5	0	5	4	0	4	0.1709
2022	8/10/2022	2	13	9	1	0	1	1	0	1	0.0218
2022	8/11/2022	2	13	9	1	0	1	1	0	1	0.0218
2022	8/12/2022	2	13	9	1	0	1	1	0	1	0.0218
2022	8/13/2022	2	13	9	1	0	1	1	0	1	0.0218
2022	8/14/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/15/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/16/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/17/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/18/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/19/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/20/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/21/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/22/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/23/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/24/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/25/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/26/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/27/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/28/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/29/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/30/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	8/31/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/1/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/2/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/3/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/4/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/5/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/6/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/7/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/8/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/9/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/10/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/11/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/12/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/13/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/14/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/15/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/16/2022	1	12	8	1	0	1	1	0	1	0.0169

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2022	9/17/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/18/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/19/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/20/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/21/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/22/2022	1	12	8	1	0	1	1	0	1	0.0169
2022	9/23/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	9/24/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	9/25/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	9/26/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	9/27/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	9/28/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	9/29/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	9/30/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/1/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/2/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/3/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/4/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/5/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/6/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/7/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/8/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/9/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/10/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/11/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/12/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/13/2022	0	0	0	0	0	0	0	0	0	0.0000
2022	10/14/2022	2	14	13	1	0	1	1	0	1	0.0267
2022	10/15/2022	2	14	13	1	0	1	1	0	1	0.0267
2022	10/16/2022	2	14	13	1	0	1	1	0	1	0.0267
2022	10/17/2022	2	14	13	1	0	1	1	0	1	0.0267
2022	10/18/2022	2	14	13	1	0	1	1	0	1	0.0267
2022	10/19/2022	2	14	13	1	0	1	1	0	1	0.0267
2022	10/20/2022	2	14	13	1	0	1	1	0	1	0.0267
2022	10/21/2022	10	30	26	2	0	2	2	0	2	0.0503
2022	10/22/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	10/23/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	10/24/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	10/25/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	10/26/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	10/27/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	10/28/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	10/29/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	10/30/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	10/31/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/1/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/2/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/3/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/4/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/5/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/6/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/7/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/8/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/9/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/10/2022	8	16	14	1	0	1	1	0	1	0.0289

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2022	11/11/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/12/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/13/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/14/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/15/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/16/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/17/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/18/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/19/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/20/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/21/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/22/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/23/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/24/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/25/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/26/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/27/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/28/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/29/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	11/30/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/1/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/2/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/3/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/4/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/5/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/6/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/7/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/8/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/9/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/10/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/11/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/12/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/13/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/14/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/15/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/16/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/17/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/18/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/19/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/20/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/21/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/22/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/23/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/24/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/25/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/26/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/27/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/28/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/29/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/30/2022	8	16	14	1	0	1	1	0	1	0.0289
2022	12/31/2022	8	16	14	1	0	1	1	0	1	0.0289
2023	1/1/2023	8	15	13	1	0	1	1	0	1	0
2023	1/2/2023	8	15	13	1	0	1	1	0	1	0
2023	1/3/2023	8	15	13	1	0	1	1	0	1	0
2023	1/4/2023	8	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2023	1/5/2023	8	15	13	1	0	1	1	0	1	0
2023	1/6/2023	8	15	13	1	0	1	1	0	1	0
2023	1/7/2023	8	15	13	1	0	1	1	0	1	0
2023	1/8/2023	8	15	13	1	0	1	1	0	1	0
2023	1/9/2023	8	15	13	1	0	1	1	0	1	0
2023	1/10/2023	8	15	13	1	0	1	1	0	1	0
2023	1/11/2023	8	15	13	1	0	1	1	0	1	0
2023	1/12/2023	8	15	13	1	0	1	1	0	1	0
2023	1/13/2023	8	15	13	1	0	1	1	0	1	0
2023	1/14/2023	8	15	13	1	0	1	1	0	1	0
2023	1/15/2023	8	15	13	1	0	1	1	0	1	0
2023	1/16/2023	8	15	13	1	0	1	1	0	1	0
2023	1/17/2023	8	15	13	1	0	1	1	0	1	0
2023	1/18/2023	8	15	13	1	0	1	1	0	1	0
2023	1/19/2023	8	15	13	1	0	1	1	0	1	0
2023	1/20/2023	8	15	13	1	0	1	1	0	1	0
2023	1/21/2023	8	15	13	1	0	1	1	0	1	0
2023	1/22/2023	8	15	13	1	0	1	1	0	1	0
2023	1/23/2023	8	15	13	1	0	1	1	0	1	0
2023	1/24/2023	8	15	13	1	0	1	1	0	1	0
2023	1/25/2023	8	15	13	1	0	1	1	0	1	0
2023	1/26/2023	8	15	13	1	0	1	1	0	1	0
2023	1/27/2023	8	15	13	1	0	1	1	0	1	0
2023	1/28/2023	8	15	13	1	0	1	1	0	1	0
2023	1/29/2023	8	15	13	1	0	1	1	0	1	0
2023	1/30/2023	8	15	13	1	0	1	1	0	1	0
2023	1/31/2023	8	15	13	1	0	1	1	0	1	0
2023	2/1/2023	8	15	13	1	0	1	1	0	1	0
2023	2/2/2023	8	15	13	1	0	1	1	0	1	0
2023	2/3/2023	8	15	13	1	0	1	1	0	1	0
2023	2/4/2023	8	15	13	1	0	1	1	0	1	0
2023	2/5/2023	8	15	13	1	0	1	1	0	1	0
2023	2/6/2023	8	15	13	1	0	1	1	0	1	0
2023	2/7/2023	8	15	13	1	0	1	1	0	1	0
2023	2/8/2023	8	15	13	1	0	1	1	0	1	0
2023	2/9/2023	8	15	13	1	0	1	1	0	1	0
2023	2/10/2023	8	15	13	1	0	1	1	0	1	0
2023	2/11/2023	8	15	13	1	0	1	1	0	1	0
2023	2/12/2023	8	15	13	1	0	1	1	0	1	0
2023	2/13/2023	8	15	13	1	0	1	1	0	1	0
2023	2/14/2023	8	15	13	1	0	1	1	0	1	0
2023	2/15/2023	8	15	13	1	0	1	1	0	1	0
2023	2/16/2023	8	15	13	1	0	1	1	0	1	0
2023	2/17/2023	8	15	13	1	0	1	1	0	1	0
2023	2/18/2023	8	15	13	1	0	1	1	0	1	0
2023	2/19/2023	8	15	13	1	0	1	1	0	1	0
2023	2/20/2023	8	15	13	1	0	1	1	0	1	0
2023	2/21/2023	8	15	13	1	0	1	1	0	1	0
2023	2/22/2023	8	15	13	1	0	1	1	0	1	0
2023	2/23/2023	8	15	13	1	0	1	1	0	1	0
2023	2/24/2023	8	15	13	1	0	1	1	0	1	0
2023	2/25/2023	8	15	13	1	0	1	1	0	1	0
2023	2/26/2023	8	15	13	1	0	1	1	0	1	0
2023	2/27/2023	8	15	13	1	0	1	1	0	1	0
2023	2/28/2023	8	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2023	3/1/2023	8	15	13	1	0	1	1	0	1	0
2023	3/2/2023	8	15	13	1	0	1	1	0	1	0
2023	3/3/2023	8	15	13	1	0	1	1	0	1	0
2023	3/4/2023	8	15	13	1	0	1	1	0	1	0
2023	3/5/2023	8	15	13	1	0	1	1	0	1	0
2023	3/6/2023	8	15	13	1	0	1	1	0	1	0
2023	3/7/2023	8	15	13	1	0	1	1	0	1	0
2023	3/8/2023	8	15	13	1	0	1	1	0	1	0
2023	3/9/2023	8	15	13	1	0	1	1	0	1	0
2023	3/10/2023	8	15	13	1	0	1	1	0	1	0
2023	3/11/2023	8	15	13	1	0	1	1	0	1	0
2023	3/12/2023	8	15	13	1	0	1	1	0	1	0
2023	3/13/2023	8	15	13	1	0	1	1	0	1	0
2023	3/14/2023	8	15	13	1	0	1	1	0	1	0
2023	3/15/2023	8	15	13	1	0	1	1	0	1	0
2023	3/16/2023	8	15	13	1	0	1	1	0	1	0
2023	3/17/2023	8	15	13	1	0	1	1	0	1	0
2023	3/18/2023	8	15	13	1	0	1	1	0	1	0
2023	3/19/2023	8	15	13	1	0	1	1	0	1	0
2023	3/20/2023	8	15	13	1	0	1	1	0	1	0
2023	3/21/2023	8	15	13	1	0	1	1	0	1	0
2023	3/22/2023	8	15	13	1	0	1	1	0	1	0
2023	3/23/2023	8	15	13	1	0	1	1	0	1	0
2023	3/24/2023	8	15	13	1	0	1	1	0	1	0
2023	3/25/2023	8	15	13	1	0	1	1	0	1	0
2023	3/26/2023	8	15	13	1	0	1	1	0	1	0
2023	3/27/2023	8	15	13	1	0	1	1	0	1	0
2023	3/28/2023	8	15	13	1	0	1	1	0	1	0
2023	3/29/2023	8	15	13	1	0	1	1	0	1	0
2023	3/30/2023	8	15	13	1	0	1	1	0	1	0
2023	3/31/2023	8	15	13	1	0	1	1	0	1	0
2023	4/1/2023	8	15	13	1	0	1	1	0	1	0
2023	4/2/2023	8	15	13	1	0	1	1	0	1	0
2023	4/3/2023	8	15	13	1	0	1	1	0	1	0
2023	4/4/2023	8	15	13	1	0	1	1	0	1	0
2023	4/5/2023	8	15	13	1	0	1	1	0	1	0
2023	4/6/2023	8	15	13	1	0	1	1	0	1	0
2023	4/7/2023	8	15	13	1	0	1	1	0	1	0
2023	4/8/2023	8	15	13	1	0	1	1	0	1	0
2023	4/9/2023	8	15	13	1	0	1	1	0	1	0
2023	4/10/2023	8	15	13	1	0	1	1	0	1	0
2023	4/11/2023	8	15	13	1	0	1	1	0	1	0
2023	4/12/2023	8	15	13	1	0	1	1	0	1	0
2023	4/13/2023	8	15	13	1	0	1	1	0	1	0
2023	4/14/2023	8	15	13	1	0	1	1	0	1	0
2023	4/15/2023	8	15	13	1	0	1	1	0	1	0
2023	4/16/2023	8	15	13	1	0	1	1	0	1	0
2023	4/17/2023	8	15	13	1	0	1	1	0	1	0
2023	4/18/2023	8	15	13	1	0	1	1	0	1	0
2023	4/19/2023	8	15	13	1	0	1	1	0	1	0
2023	4/20/2023	8	15	13	1	0	1	1	0	1	0
2023	4/21/2023	8	15	13	1	0	1	1	0	1	0
2023	4/22/2023	8	15	13	1	0	1	1	0	1	0
2023	4/23/2023	8	15	13	1	0	1	1	0	1	0
2023	4/24/2023	8	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2023	4/25/2023	8	15	13	1	0	1	1	0	1	0
2023	4/26/2023	8	15	13	1	0	1	1	0	1	0
2023	4/27/2023	8	15	13	1	0	1	1	0	1	0
2023	4/28/2023	8	15	13	1	0	1	1	0	1	0
2023	4/29/2023	8	15	13	1	0	1	1	0	1	0
2023	4/30/2023	8	15	13	1	0	1	1	0	1	0
2023	5/1/2023	8	15	13	1	0	1	1	0	1	0
2023	5/2/2023	8	15	13	1	0	1	1	0	1	0
2023	5/3/2023	8	15	13	1	0	1	1	0	1	0
2023	5/4/2023	8	15	13	1	0	1	1	0	1	0
2023	5/5/2023	8	15	13	1	0	1	1	0	1	0
2023	5/6/2023	8	15	13	1	0	1	1	0	1	0
2023	5/7/2023	8	15	13	1	0	1	1	0	1	0
2023	5/8/2023	8	15	13	1	0	1	1	0	1	0
2023	5/9/2023	8	15	13	1	0	1	1	0	1	0
2023	5/10/2023	8	15	13	1	0	1	1	0	1	0
2023	5/11/2023	8	15	13	1	0	1	1	0	1	0
2023	5/12/2023	8	15	13	1	0	1	1	0	1	0
2023	5/13/2023	8	15	13	1	0	1	1	0	1	0
2023	5/14/2023	8	15	13	1	0	1	1	0	1	0
2023	5/15/2023	8	15	13	1	0	1	1	0	1	0
2023	5/16/2023	8	15	13	1	0	1	1	0	1	0
2023	5/17/2023	8	15	13	1	0	1	1	0	1	0
2023	5/18/2023	8	15	13	1	0	1	1	0	1	0
2023	5/19/2023	8	15	13	1	0	1	1	0	1	0
2023	5/20/2023	8	15	13	1	0	1	1	0	1	0
2023	5/21/2023	8	15	13	1	0	1	1	0	1	0
2023	5/22/2023	8	15	13	1	0	1	1	0	1	0
2023	5/23/2023	8	15	13	1	0	1	1	0	1	0
2023	5/24/2023	8	15	13	1	0	1	1	0	1	0
2023	5/25/2023	8	15	13	1	0	1	1	0	1	0
2023	5/26/2023	8	15	13	1	0	1	1	0	1	0
2023	5/27/2023	8	15	13	1	0	1	1	0	1	0
2023	5/28/2023	8	15	13	1	0	1	1	0	1	0
2023	5/29/2023	8	15	13	1	0	1	1	0	1	0
2023	5/30/2023	8	15	13	1	0	1	1	0	1	0
2023	5/31/2023	8	15	13	1	0	1	1	0	1	0
2023	6/1/2023	8	15	13	1	0	1	1	0	1	0
2023	6/2/2023	8	15	13	1	0	1	1	0	1	0
2023	6/3/2023	8	15	13	1	0	1	1	0	1	0
2023	6/4/2023	8	15	13	1	0	1	1	0	1	0
2023	6/5/2023	8	15	13	1	0	1	1	0	1	0
2023	6/6/2023	8	15	13	1	0	1	1	0	1	0
2023	6/7/2023	8	15	13	1	0	1	1	0	1	0
2023	6/8/2023	8	15	13	1	0	1	1	0	1	0
2023	6/9/2023	8	15	13	1	0	1	1	0	1	0
2023	6/10/2023	8	15	13	1	0	1	1	0	1	0
2023	6/11/2023	8	15	13	1	0	1	1	0	1	0
2023	6/12/2023	8	15	13	1	0	1	1	0	1	0
2023	6/13/2023	8	15	13	1	0	1	1	0	1	0
2023	6/14/2023	8	15	13	1	0	1	1	0	1	0
2023	6/15/2023	8	15	13	1	0	1	1	0	1	0
2023	6/16/2023	8	15	13	1	0	1	1	0	1	0
2023	6/17/2023	8	15	13	1	0	1	1	0	1	0
2023	6/18/2023	8	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2023	6/19/2023	8	15	13	1	0	1	1	0	1	0
2023	6/20/2023	8	15	13	1	0	1	1	0	1	0
2023	6/21/2023	8	15	13	1	0	1	1	0	1	0
2023	6/22/2023	8	15	13	1	0	1	1	0	1	0
2023	6/23/2023	8	15	13	1	0	1	1	0	1	0
2023	6/24/2023	8	15	13	1	0	1	1	0	1	0
2023	6/25/2023	8	15	13	1	0	1	1	0	1	0
2023	6/26/2023	8	15	13	1	0	1	1	0	1	0
2023	6/27/2023	8	15	13	1	0	1	1	0	1	0
2023	6/28/2023	8	15	13	1	0	1	1	0	1	0
2023	6/29/2023	8	15	13	1	0	1	1	0	1	0
2023	6/30/2023	8	15	13	1	0	1	1	0	1	0
2023	7/1/2023	8	15	13	1	0	1	1	0	1	0
2023	7/2/2023	8	15	13	1	0	1	1	0	1	0
2023	7/3/2023	8	15	13	1	0	1	1	0	1	0
2023	7/4/2023	8	15	13	1	0	1	1	0	1	0
2023	7/5/2023	8	15	13	1	0	1	1	0	1	0
2023	7/6/2023	8	15	13	1	0	1	1	0	1	0
2023	7/7/2023	8	15	13	1	0	1	1	0	1	0
2023	7/8/2023	8	15	13	1	0	1	1	0	1	0
2023	7/9/2023	8	15	13	1	0	1	1	0	1	0
2023	7/10/2023	8	15	13	1	0	1	1	0	1	0
2023	7/11/2023	8	15	13	1	0	1	1	0	1	0
2023	7/12/2023	8	15	13	1	0	1	1	0	1	0
2023	7/13/2023	8	15	13	1	0	1	1	0	1	0
2023	7/14/2023	8	15	13	1	0	1	1	0	1	0
2023	7/15/2023	8	15	13	1	0	1	1	0	1	0
2023	7/16/2023	8	15	13	1	0	1	1	0	1	0
2023	7/17/2023	8	15	13	1	0	1	1	0	1	0
2023	7/18/2023	8	15	13	1	0	1	1	0	1	0
2023	7/19/2023	8	15	13	1	0	1	1	0	1	0
2023	7/20/2023	8	15	13	1	0	1	1	0	1	0
2023	7/21/2023	8	15	13	1	0	1	1	0	1	0
2023	7/22/2023	0	0	0	0	0	0	0	0	0	0
2023	7/23/2023	0	0	0	0	0	0	0	0	0	0
2023	7/24/2023	0	0	0	0	0	0	0	0	0	0
2023	7/25/2023	0	0	0	0	0	0	0	0	0	0
2023	7/26/2023	0	0	0	0	0	0	0	0	0	0
2023	7/27/2023	0	0	0	0	0	0	0	0	0	0
2023	7/28/2023	0	0	0	0	0	0	0	0	0	0
2023	7/29/2023	0	0	0	0	0	0	0	0	0	0
2023	7/30/2023	0	0	0	0	0	0	0	0	0	0
2023	7/31/2023	0	0	0	0	0	0	0	0	0	0
2023	8/1/2023	2	13	13	1	0	1	1	0	1	0
2023	8/2/2023	2	13	13	1	0	1	1	0	1	0
2023	8/3/2023	2	13	13	1	0	1	1	0	1	0
2023	8/4/2023	2	13	13	1	0	1	1	0	1	0
2023	8/5/2023	2	13	13	1	0	1	1	0	1	0
2023	8/6/2023	2	13	13	1	0	1	1	0	1	0
2023	8/7/2023	2	13	13	1	0	1	1	0	1	0
2023	8/8/2023	2	13	13	1	0	1	1	0	1	0
2023	8/9/2023	2	13	13	1	0	1	1	0	1	0
2023	8/10/2023	2	13	13	1	0	1	1	0	1	0
2023	8/11/2023	2	13	13	1	0	1	1	0	1	0
2023	8/12/2023	2	13	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2023	8/13/2023	2	13	13	1	0	1	1	0	1	0
2023	8/14/2023	2	13	13	1	0	1	1	0	1	0
2023	8/15/2023	2	13	13	1	0	1	1	0	1	0
2023	8/16/2023	2	13	13	1	0	1	1	0	1	0
2023	8/17/2023	2	13	13	1	0	1	1	0	1	0
2023	8/18/2023	2	13	13	1	0	1	1	0	1	0
2023	8/19/2023	2	13	13	1	0	1	1	0	1	0
2023	8/20/2023	2	13	13	1	0	1	1	0	1	0
2023	8/21/2023	2	13	13	1	0	1	1	0	1	0
2023	8/22/2023	2	13	13	1	0	1	1	0	1	0
2023	8/23/2023	2	13	13	1	0	1	1	0	1	0
2023	8/24/2023	2	13	13	1	0	1	1	0	1	0
2023	8/25/2023	2	13	13	1	0	1	1	0	1	0
2023	8/26/2023	2	13	13	1	0	1	1	0	1	0
2023	8/27/2023	2	13	13	1	0	1	1	0	1	0
2023	8/28/2023	2	13	13	1	0	1	1	0	1	0
2023	8/29/2023	2	13	13	1	0	1	1	0	1	0
2023	8/30/2023	2	13	13	1	0	1	1	0	1	0
2023	8/31/2023	2	13	13	1	0	1	1	0	1	0
2023	9/1/2023	2	13	13	1	0	1	1	0	1	0
2023	9/2/2023	2	13	13	1	0	1	1	0	1	0
2023	9/3/2023	2	13	13	1	0	1	1	0	1	0
2023	9/4/2023	2	13	13	1	0	1	1	0	1	0
2023	9/5/2023	2	13	13	1	0	1	1	0	1	0
2023	9/6/2023	2	13	13	1	0	1	1	0	1	0
2023	9/7/2023	2	13	13	1	0	1	1	0	1	0
2023	9/8/2023	2	13	13	1	0	1	1	0	1	0
2023	9/9/2023	2	13	13	1	0	1	1	0	1	0
2023	9/10/2023	2	13	13	1	0	1	1	0	1	0
2023	9/11/2023	2	13	13	1	0	1	1	0	1	0
2023	9/12/2023	4	27	25	1	0	2	1	0	1	0
2023	9/13/2023	2	15	13	1	0	1	1	0	1	0
2023	9/14/2023	2	15	13	1	0	1	1	0	1	0
2023	9/15/2023	2	15	13	1	0	1	1	0	1	0
2023	9/16/2023	2	15	13	1	0	1	1	0	1	0
2023	9/17/2023	2	15	13	1	0	1	1	0	1	0
2023	9/18/2023	2	15	13	1	0	1	1	0	1	0
2023	9/19/2023	2	15	13	1	0	1	1	0	1	0
2023	9/20/2023	2	15	13	1	0	1	1	0	1	0
2023	9/21/2023	2	15	13	1	0	1	1	0	1	0
2023	9/22/2023	2	15	13	1	0	1	1	0	1	0
2023	9/23/2023	2	15	13	1	0	1	1	0	1	0
2023	9/24/2023	2	15	13	1	0	1	1	0	1	0
2023	9/25/2023	2	15	13	1	0	1	1	0	1	0
2023	9/26/2023	2	15	13	1	0	1	1	0	1	0
2023	9/27/2023	2	15	13	1	0	1	1	0	1	0
2023	9/28/2023	2	15	13	1	0	1	1	0	1	0
2023	9/29/2023	2	15	13	1	0	1	1	0	1	0
2023	9/30/2023	2	15	13	1	0	1	1	0	1	0
2023	10/1/2023	2	15	13	1	0	1	1	0	1	0
2023	10/2/2023	2	15	13	1	0	1	1	0	1	0
2023	10/3/2023	2	15	13	1	0	1	1	0	1	0
2023	10/4/2023	2	15	13	1	0	1	1	0	1	0
2023	10/5/2023	2	15	13	1	0	1	1	0	1	0
2023	10/6/2023	2	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2023	10/7/2023	2	15	13	1	0	1	1	0	1	0
2023	10/8/2023	2	15	13	1	0	1	1	0	1	0
2023	10/9/2023	2	15	13	1	0	1	1	0	1	0
2023	10/10/2023	2	15	13	1	0	1	1	0	1	0
2023	10/11/2023	2	15	13	1	0	1	1	0	1	0
2023	10/12/2023	2	15	13	1	0	1	1	0	1	0
2023	10/13/2023	2	15	13	1	0	1	1	0	1	0
2023	10/14/2023	2	15	13	1	0	1	1	0	1	0
2023	10/15/2023	2	15	13	1	0	1	1	0	1	0
2023	10/16/2023	2	15	13	1	0	1	1	0	1	0
2023	10/17/2023	2	15	13	1	0	1	1	0	1	0
2023	10/18/2023	2	15	13	1	0	1	1	0	1	0
2023	10/19/2023	2	15	13	1	0	1	1	0	1	0
2023	10/20/2023	2	15	13	1	0	1	1	0	1	0
2023	10/21/2023	2	15	13	1	0	1	1	0	1	0
2023	10/22/2023	2	15	13	1	0	1	1	0	1	0
2023	10/23/2023	2	15	13	1	0	1	1	0	1	0
2023	10/24/2023	2	15	13	1	0	1	1	0	1	0
2023	10/25/2023	2	15	13	1	0	1	1	0	1	0
2023	10/26/2023	2	15	13	1	0	1	1	0	1	0
2023	10/27/2023	2	15	13	1	0	1	1	0	1	0
2023	10/28/2023	2	15	13	1	0	1	1	0	1	0
2023	10/29/2023	2	15	13	1	0	1	1	0	1	0
2023	10/30/2023	2	15	13	1	0	1	1	0	1	0
2023	10/31/2023	2	15	13	1	0	1	1	0	1	0
2023	11/1/2023	2	15	13	1	0	1	1	0	1	0
2023	11/2/2023	2	15	13	1	0	1	1	0	1	0
2023	11/3/2023	2	15	13	1	0	1	1	0	1	0
2023	11/4/2023	2	15	13	1	0	1	1	0	1	0
2023	11/5/2023	2	15	13	1	0	1	1	0	1	0
2023	11/6/2023	2	15	13	1	0	1	1	0	1	0
2023	11/7/2023	2	15	13	1	0	1	1	0	1	0
2023	11/8/2023	2	15	13	1	0	1	1	0	1	0
2023	11/9/2023	2	15	13	1	0	1	1	0	1	0
2023	11/10/2023	2	15	13	1	0	1	1	0	1	0
2023	11/11/2023	2	15	13	1	0	1	1	0	1	0
2023	11/12/2023	2	15	13	1	0	1	1	0	1	0
2023	11/13/2023	2	15	13	1	0	1	1	0	1	0
2023	11/14/2023	2	15	13	1	0	1	1	0	1	0
2023	11/15/2023	2	15	13	1	0	1	1	0	1	0
2023	11/16/2023	2	15	13	1	0	1	1	0	1	0
2023	11/17/2023	2	15	13	1	0	1	1	0	1	0
2023	11/18/2023	2	15	13	1	0	1	1	0	1	0
2023	11/19/2023	2	15	13	1	0	1	1	0	1	0
2023	11/20/2023	2	15	13	1	0	1	1	0	1	0
2023	11/21/2023	2	15	13	1	0	1	1	0	1	0
2023	11/22/2023	2	15	13	1	0	1	1	0	1	0
2023	11/23/2023	2	15	13	1	0	1	1	0	1	0
2023	11/24/2023	2	15	13	1	0	1	1	0	1	0
2023	11/25/2023	2	15	13	1	0	1	1	0	1	0
2023	11/26/2023	2	15	13	1	0	1	1	0	1	0
2023	11/27/2023	2	15	13	1	0	1	1	0	1	0
2023	11/28/2023	2	15	13	1	0	1	1	0	1	0
2023	11/29/2023	2	15	13	1	0	1	1	0	1	0
2023	11/30/2023	2	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2023	12/1/2023	2	15	13	1	0	1	1	0	1	0
2023	12/2/2023	2	15	13	1	0	1	1	0	1	0
2023	12/3/2023	2	15	13	1	0	1	1	0	1	0
2023	12/4/2023	2	15	13	1	0	1	1	0	1	0
2023	12/5/2023	2	15	13	1	0	1	1	0	1	0
2023	12/6/2023	2	15	13	1	0	1	1	0	1	0
2023	12/7/2023	2	15	13	1	0	1	1	0	1	0
2023	12/8/2023	2	15	13	1	0	1	1	0	1	0
2023	12/9/2023	2	15	13	1	0	1	1	0	1	0
2023	12/10/2023	2	15	13	1	0	1	1	0	1	0
2023	12/11/2023	2	15	13	1	0	1	1	0	1	0
2023	12/12/2023	2	15	13	1	0	1	1	0	1	0
2023	12/13/2023	2	15	13	1	0	1	1	0	1	0
2023	12/14/2023	2	15	13	1	0	1	1	0	1	0
2023	12/15/2023	2	15	13	1	0	1	1	0	1	0
2023	12/16/2023	2	15	13	1	0	1	1	0	1	0
2023	12/17/2023	2	15	13	1	0	1	1	0	1	0
2023	12/18/2023	2	15	13	1	0	1	1	0	1	0
2023	12/19/2023	2	15	13	1	0	1	1	0	1	0
2023	12/20/2023	2	15	13	1	0	1	1	0	1	0
2023	12/21/2023	2	15	13	1	0	1	1	0	1	0
2023	12/22/2023	2	15	13	1	0	1	1	0	1	0
2023	12/23/2023	2	15	13	1	0	1	1	0	1	0
2023	12/24/2023	2	15	13	1	0	1	1	0	1	0
2023	12/25/2023	2	15	13	1	0	1	1	0	1	0
2023	12/26/2023	2	15	13	1	0	1	1	0	1	0
2023	12/27/2023	2	15	13	1	0	1	1	0	1	0
2023	12/28/2023	2	15	13	1	0	1	1	0	1	0
2023	12/29/2023	2	15	13	1	0	1	1	0	1	0
2023	12/30/2023	2	15	13	1	0	1	1	0	1	0
2023	12/31/2023	2	15	13	1	0	1	1	0	1	0
2024	1/1/2024	2	14	13	1	0	1	1	0	1	0
2024	1/2/2024	2	14	13	1	0	1	1	0	1	0
2024	1/3/2024	2	14	13	1	0	1	1	0	1	0
2024	1/4/2024	2	14	13	1	0	1	1	0	1	0
2024	1/5/2024	2	14	13	1	0	1	1	0	1	0
2024	1/6/2024	2	14	13	1	0	1	1	0	1	0
2024	1/7/2024	2	14	13	1	0	1	1	0	1	0
2024	1/8/2024	2	14	13	1	0	1	1	0	1	0
2024	1/9/2024	2	14	13	1	0	1	1	0	1	0
2024	1/10/2024	2	14	13	1	0	1	1	0	1	0
2024	1/11/2024	2	14	13	1	0	1	1	0	1	0
2024	1/12/2024	2	14	13	1	0	1	1	0	1	0
2024	1/13/2024	2	14	13	1	0	1	1	0	1	0
2024	1/14/2024	2	14	13	1	0	1	1	0	1	0
2024	1/15/2024	2	14	13	1	0	1	1	0	1	0
2024	1/16/2024	2	14	13	1	0	1	1	0	1	0
2024	1/17/2024	2	14	13	1	0	1	1	0	1	0
2024	1/18/2024	2	14	13	1	0	1	1	0	1	0
2024	1/19/2024	2	14	13	1	0	1	1	0	1	0
2024	1/20/2024	2	14	13	1	0	1	1	0	1	0
2024	1/21/2024	2	14	13	1	0	1	1	0	1	0
2024	1/22/2024	2	14	13	1	0	1	1	0	1	0
2024	1/23/2024	2	14	13	1	0	1	1	0	1	0
2024	1/24/2024	2	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2024	1/25/2024	2	14	13	1	0	1	1	0	1	0
2024	1/26/2024	2	14	13	1	0	1	1	0	1	0
2024	1/27/2024	2	14	13	1	0	1	1	0	1	0
2024	1/28/2024	2	14	13	1	0	1	1	0	1	0
2024	1/29/2024	2	14	13	1	0	1	1	0	1	0
2024	1/30/2024	2	14	13	1	0	1	1	0	1	0
2024	1/31/2024	2	14	13	1	0	1	1	0	1	0
2024	2/1/2024	2	14	13	1	0	1	1	0	1	0
2024	2/2/2024	2	14	13	1	0	1	1	0	1	0
2024	2/3/2024	2	14	13	1	0	1	1	0	1	0
2024	2/4/2024	2	14	13	1	0	1	1	0	1	0
2024	2/5/2024	2	14	13	1	0	1	1	0	1	0
2024	2/6/2024	2	14	13	1	0	1	1	0	1	0
2024	2/7/2024	2	14	13	1	0	1	1	0	1	0
2024	2/8/2024	2	14	13	1	0	1	1	0	1	0
2024	2/9/2024	2	14	13	1	0	1	1	0	1	0
2024	2/10/2024	2	14	13	1	0	1	1	0	1	0
2024	2/11/2024	2	14	13	1	0	1	1	0	1	0
2024	2/12/2024	2	14	13	1	0	1	1	0	1	0
2024	2/13/2024	2	14	13	1	0	1	1	0	1	0
2024	2/14/2024	2	14	13	1	0	1	1	0	1	0
2024	2/15/2024	2	14	13	1	0	1	1	0	1	0
2024	2/16/2024	2	14	13	1	0	1	1	0	1	0
2024	2/17/2024	2	14	13	1	0	1	1	0	1	0
2024	2/18/2024	2	14	13	1	0	1	1	0	1	0
2024	2/19/2024	2	14	13	1	0	1	1	0	1	0
2024	2/20/2024	2	14	13	1	0	1	1	0	1	0
2024	2/21/2024	2	14	13	1	0	1	1	0	1	0
2024	2/22/2024	2	14	13	1	0	1	1	0	1	0
2024	2/23/2024	2	14	13	1	0	1	1	0	1	0
2024	2/24/2024	2	14	13	1	0	1	1	0	1	0
2024	2/25/2024	2	14	13	1	0	1	1	0	1	0
2024	2/26/2024	2	14	13	1	0	1	1	0	1	0
2024	2/27/2024	2	14	13	1	0	1	1	0	1	0
2024	2/28/2024	2	14	13	1	0	1	1	0	1	0
2024	2/29/2024	2	14	13	1	0	1	1	0	1	0
2024	3/1/2024	3	21	19	1	0	1	1	0	1	0
2024	3/2/2024	3	21	19	1	0	1	1	0	1	0
2024	3/3/2024	3	21	19	1	0	1	1	0	1	0
2024	3/4/2024	3	21	19	1	0	1	1	0	1	0
2024	3/5/2024	3	21	19	1	0	1	1	0	1	0
2024	3/6/2024	3	21	19	1	0	1	1	0	1	0
2024	3/7/2024	3	21	19	1	0	1	1	0	1	0
2024	3/8/2024	3	21	19	1	0	1	1	0	1	0
2024	3/9/2024	3	21	19	1	0	1	1	0	1	0
2024	3/10/2024	3	21	19	1	0	1	1	0	1	0
2024	3/11/2024	3	21	19	1	0	1	1	0	1	0
2024	3/12/2024	3	21	19	1	0	1	1	0	1	0
2024	3/13/2024	3	21	19	1	0	1	1	0	1	0
2024	3/14/2024	3	21	19	1	0	1	1	0	1	0
2024	3/15/2024	3	21	19	1	0	1	1	0	1	0
2024	3/16/2024	3	21	19	1	0	1	1	0	1	0
2024	3/17/2024	3	21	19	1	0	1	1	0	1	0
2024	3/18/2024	3	21	19	1	0	1	1	0	1	0
2024	3/19/2024	3	21	19	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2024	3/20/2024	3	21	19	1	0	1	1	0	1	0
2024	3/21/2024	3	21	19	1	0	1	1	0	1	0
2024	3/22/2024	3	21	19	1	0	1	1	0	1	0
2024	3/23/2024	3	21	19	1	0	1	1	0	1	0
2024	3/24/2024	3	21	19	1	0	1	1	0	1	0
2024	3/25/2024	3	21	19	1	0	1	1	0	1	0
2024	3/26/2024	3	21	19	1	0	1	1	0	1	0
2024	3/27/2024	3	21	19	1	0	1	1	0	1	0
2024	3/28/2024	3	21	19	1	0	1	1	0	1	0
2024	3/29/2024	3	21	19	1	0	1	1	0	1	0
2024	3/30/2024	3	21	19	1	0	1	1	0	1	0
2024	3/31/2024	3	21	19	1	0	1	1	0	1	0
2024	4/1/2024	3	21	19	1	0	1	1	0	1	0
2024	4/2/2024	2	14	13	1	0	1	1	0	1	0
2024	4/3/2024	2	14	13	1	0	1	1	0	1	0
2024	4/4/2024	2	14	13	1	0	1	1	0	1	0
2024	4/5/2024	2	14	13	1	0	1	1	0	1	0
2024	4/6/2024	2	14	13	1	0	1	1	0	1	0
2024	4/7/2024	2	14	13	1	0	1	1	0	1	0
2024	4/8/2024	2	14	13	1	0	1	1	0	1	0
2024	4/9/2024	2	14	13	1	0	1	1	0	1	0
2024	4/10/2024	2	14	13	1	0	1	1	0	1	0
2024	4/11/2024	2	14	13	1	0	1	1	0	1	0
2024	4/12/2024	2	14	13	1	0	1	1	0	1	0
2024	4/13/2024	2	14	13	1	0	1	1	0	1	0
2024	4/14/2024	2	14	13	1	0	1	1	0	1	0
2024	4/15/2024	2	14	13	1	0	1	1	0	1	0
2024	4/16/2024	2	14	13	1	0	1	1	0	1	0
2024	4/17/2024	2	14	13	1	0	1	1	0	1	0
2024	4/18/2024	2	14	13	1	0	1	1	0	1	0
2024	4/19/2024	2	14	13	1	0	1	1	0	1	0
2024	4/20/2024	2	14	13	1	0	1	1	0	1	0
2024	4/21/2024	2	14	13	1	0	1	1	0	1	0
2024	4/22/2024	2	14	13	1	0	1	1	0	1	0
2024	4/23/2024	2	14	13	1	0	1	1	0	1	0
2024	4/24/2024	2	14	13	1	0	1	1	0	1	0
2024	4/25/2024	2	14	13	1	0	1	1	0	1	0
2024	4/26/2024	2	14	13	1	0	1	1	0	1	0
2024	4/27/2024	2	14	13	1	0	1	1	0	1	0
2024	4/28/2024	2	14	13	1	0	1	1	0	1	0
2024	4/29/2024	2	14	13	1	0	1	1	0	1	0
2024	4/30/2024	2	14	13	1	0	1	1	0	1	0
2024	5/1/2024	2	14	13	1	0	1	1	0	1	0
2024	5/2/2024	2	14	13	1	0	1	1	0	1	0
2024	5/3/2024	2	14	13	1	0	1	1	0	1	0
2024	5/4/2024	2	14	13	1	0	1	1	0	1	0
2024	5/5/2024	2	14	13	1	0	1	1	0	1	0
2024	5/6/2024	2	14	13	1	0	1	1	0	1	0
2024	5/7/2024	2	14	13	1	0	1	1	0	1	0
2024	5/8/2024	2	14	13	1	0	1	1	0	1	0
2024	5/9/2024	2	14	13	1	0	1	1	0	1	0
2024	5/10/2024	2	14	13	1	0	1	1	0	1	0
2024	5/11/2024	2	14	13	1	0	1	1	0	1	0
2024	5/12/2024	2	14	13	1	0	1	1	0	1	0
2024	5/13/2024	2	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2024	5/14/2024	2	14	13	1	0	1	1	0	1	0
2024	5/15/2024	0	0	0	0	0	0	0	0	0	0
2024	5/16/2024	0	0	0	0	0	0	0	0	0	0
2024	5/17/2024	0	0	0	0	0	0	0	0	0	0
2024	5/18/2024	0	0	0	0	0	0	0	0	0	0
2024	5/19/2024	0	0	0	0	0	0	0	0	0	0
2024	5/20/2024	0	0	0	0	0	0	0	0	0	0
2024	5/21/2024	0	0	0	0	0	0	0	0	0	0
2024	5/22/2024	0	0	0	0	0	0	0	0	0	0
2024	5/23/2024	0	0	0	0	0	0	0	0	0	0
2024	5/24/2024	0	0	0	0	0	0	0	0	0	0
2024	5/25/2024	0	0	0	0	0	0	0	0	0	0
2024	5/26/2024	0	0	0	0	0	0	0	0	0	0
2024	5/27/2024	0	0	0	0	0	0	0	0	0	0
2024	5/28/2024	0	0	0	0	0	0	0	0	0	0
2024	5/29/2024	0	0	0	0	0	0	0	0	0	0
2024	5/30/2024	0	0	0	0	0	0	0	0	0	0
2024	5/31/2024	0	0	0	0	0	0	0	0	0	0
2024	6/1/2024	2	12	12	1	0	1	1	0	1	0
2024	6/2/2024	2	12	12	1	0	1	1	0	1	0
2024	6/3/2024	2	12	12	1	0	1	1	0	1	0
2024	6/4/2024	2	12	12	1	0	1	1	0	1	0
2024	6/5/2024	2	12	12	1	0	1	1	0	1	0
2024	6/6/2024	2	12	12	1	0	1	1	0	1	0
2024	6/7/2024	2	12	12	1	0	1	1	0	1	0
2024	6/8/2024	2	12	12	1	0	1	1	0	1	0
2024	6/9/2024	2	12	12	1	0	1	1	0	1	0
2024	6/10/2024	2	12	12	1	0	1	1	0	1	0
2024	6/11/2024	2	12	12	1	0	1	1	0	1	0
2024	6/12/2024	2	12	12	1	0	1	1	0	1	0
2024	6/13/2024	2	12	12	1	0	1	1	0	1	0
2024	6/14/2024	2	12	12	1	0	1	1	0	1	0
2024	6/15/2024	2	12	12	1	0	1	1	0	1	0
2024	6/16/2024	2	12	12	1	0	1	1	0	1	0
2024	6/17/2024	2	12	12	1	0	1	1	0	1	0
2024	6/18/2024	2	12	12	1	0	1	1	0	1	0
2024	6/19/2024	2	12	12	1	0	1	1	0	1	0
2024	6/20/2024	2	12	12	1	0	1	1	0	1	0
2024	6/21/2024	2	12	12	1	0	1	1	0	1	0
2024	6/22/2024	7	26	25	1	0	2	1	0	1	0
2024	6/23/2024	6	14	13	1	0	1	1	0	1	0
2024	6/24/2024	6	14	13	1	0	1	1	0	1	0
2024	6/25/2024	6	14	13	1	0	1	1	0	1	0
2024	6/26/2024	6	14	13	1	0	1	1	0	1	0
2024	6/27/2024	6	14	13	1	0	1	1	0	1	0
2024	6/28/2024	6	14	13	1	0	1	1	0	1	0
2024	6/29/2024	6	14	13	1	0	1	1	0	1	0
2024	6/30/2024	6	14	13	1	0	1	1	0	1	0
2024	7/1/2024	6	14	13	1	0	1	1	0	1	0
2024	7/2/2024	6	14	13	1	0	1	1	0	1	0
2024	7/3/2024	6	14	13	1	0	1	1	0	1	0
2024	7/4/2024	6	14	13	1	0	1	1	0	1	0
2024	7/5/2024	6	14	13	1	0	1	1	0	1	0
2024	7/6/2024	6	14	13	1	0	1	1	0	1	0
2024	7/7/2024	6	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2024	7/8/2024	6	14	13	1	0	1	1	0	1	0
2024	7/9/2024	6	14	13	1	0	1	1	0	1	0
2024	7/10/2024	6	14	13	1	0	1	1	0	1	0
2024	7/11/2024	6	14	13	1	0	1	1	0	1	0
2024	7/12/2024	6	14	13	1	0	1	1	0	1	0
2024	7/13/2024	6	14	13	1	0	1	1	0	1	0
2024	7/14/2024	6	14	13	1	0	1	1	0	1	0
2024	7/15/2024	6	14	13	1	0	1	1	0	1	0
2024	7/16/2024	6	14	13	1	0	1	1	0	1	0
2024	7/17/2024	6	14	13	1	0	1	1	0	1	0
2024	7/18/2024	6	14	13	1	0	1	1	0	1	0
2024	7/19/2024	6	14	13	1	0	1	1	0	1	0
2024	7/20/2024	6	14	13	1	0	1	1	0	1	0
2024	7/21/2024	6	14	13	1	0	1	1	0	1	0
2024	7/22/2024	6	14	13	1	0	1	1	0	1	0
2024	7/23/2024	6	14	13	1	0	1	1	0	1	0
2024	7/24/2024	6	14	13	1	0	1	1	0	1	0
2024	7/25/2024	6	14	13	1	0	1	1	0	1	0
2024	7/26/2024	6	14	13	1	0	1	1	0	1	0
2024	7/27/2024	6	14	13	1	0	1	1	0	1	0
2024	7/28/2024	6	14	13	1	0	1	1	0	1	0
2024	7/29/2024	6	14	13	1	0	1	1	0	1	0
2024	7/30/2024	6	14	13	1	0	1	1	0	1	0
2024	7/31/2024	6	14	13	1	0	1	1	0	1	0
2024	8/1/2024	6	14	13	1	0	1	1	0	1	0
2024	8/2/2024	6	14	13	1	0	1	1	0	1	0
2024	8/3/2024	6	14	13	1	0	1	1	0	1	0
2024	8/4/2024	6	14	13	1	0	1	1	0	1	0
2024	8/5/2024	6	14	13	1	0	1	1	0	1	0
2024	8/6/2024	6	14	13	1	0	1	1	0	1	0
2024	8/7/2024	6	14	13	1	0	1	1	0	1	0
2024	8/8/2024	6	14	13	1	0	1	1	0	1	0
2024	8/9/2024	6	14	13	1	0	1	1	0	1	0
2024	8/10/2024	6	14	13	1	0	1	1	0	1	0
2024	8/11/2024	6	14	13	1	0	1	1	0	1	0
2024	8/12/2024	6	14	13	1	0	1	1	0	1	0
2024	8/13/2024	6	14	13	1	0	1	1	0	1	0
2024	8/14/2024	6	14	13	1	0	1	1	0	1	0
2024	8/15/2024	6	14	13	1	0	1	1	0	1	0
2024	8/16/2024	6	14	13	1	0	1	1	0	1	0
2024	8/17/2024	6	14	13	1	0	1	1	0	1	0
2024	8/18/2024	6	14	13	1	0	1	1	0	1	0
2024	8/19/2024	6	14	13	1	0	1	1	0	1	0
2024	8/20/2024	6	14	13	1	0	1	1	0	1	0
2024	8/21/2024	6	14	13	1	0	1	1	0	1	0
2024	8/22/2024	6	14	13	1	0	1	1	0	1	0
2024	8/23/2024	6	14	13	1	0	1	1	0	1	0
2024	8/24/2024	6	14	13	1	0	1	1	0	1	0
2024	8/25/2024	6	14	13	1	0	1	1	0	1	0
2024	8/26/2024	6	14	13	1	0	1	1	0	1	0
2024	8/27/2024	6	14	13	1	0	1	1	0	1	0
2024	8/28/2024	6	14	13	1	0	1	1	0	1	0
2024	8/29/2024	6	14	13	1	0	1	1	0	1	0
2024	8/30/2024	6	14	13	1	0	1	1	0	1	0
2024	8/31/2024	6	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2024	9/1/2024	6	14	13	1	0	1	1	0	1	0
2024	9/2/2024	6	14	13	1	0	1	1	0	1	0
2024	9/3/2024	6	14	13	1	0	1	1	0	1	0
2024	9/4/2024	6	14	13	1	0	1	1	0	1	0
2024	9/5/2024	6	14	13	1	0	1	1	0	1	0
2024	9/6/2024	6	14	13	1	0	1	1	0	1	0
2024	9/7/2024	6	14	13	1	0	1	1	0	1	0
2024	9/8/2024	6	14	13	1	0	1	1	0	1	0
2024	9/9/2024	6	14	13	1	0	1	1	0	1	0
2024	9/10/2024	6	14	13	1	0	1	1	0	1	0
2024	9/11/2024	6	14	13	1	0	1	1	0	1	0
2024	9/12/2024	6	14	13	1	0	1	1	0	1	0
2024	9/13/2024	6	14	13	1	0	1	1	0	1	0
2024	9/14/2024	6	14	13	1	0	1	1	0	1	0
2024	9/15/2024	6	14	13	1	0	1	1	0	1	0
2024	9/16/2024	6	14	13	1	0	1	1	0	1	0
2024	9/17/2024	6	14	13	1	0	1	1	0	1	0
2024	9/18/2024	6	14	13	1	0	1	1	0	1	0
2024	9/19/2024	6	14	13	1	0	1	1	0	1	0
2024	9/20/2024	6	14	13	1	0	1	1	0	1	0
2024	9/21/2024	6	14	13	1	0	1	1	0	1	0
2024	9/22/2024	6	14	13	1	0	1	1	0	1	0
2024	9/23/2024	6	14	13	1	0	1	1	0	1	0
2024	9/24/2024	6	14	13	1	0	1	1	0	1	0
2024	9/25/2024	6	14	13	1	0	1	1	0	1	0
2024	9/26/2024	6	14	13	1	0	1	1	0	1	0
2024	9/27/2024	6	14	13	1	0	1	1	0	1	0
2024	9/28/2024	6	14	13	1	0	1	1	0	1	0
2024	9/29/2024	6	14	13	1	0	1	1	0	1	0
2024	9/30/2024	6	14	13	1	0	1	1	0	1	0
2024	10/1/2024	6	14	13	1	0	1	1	0	1	0
2024	10/2/2024	6	14	13	1	0	1	1	0	1	0
2024	10/3/2024	6	14	13	1	0	1	1	0	1	0
2024	10/4/2024	6	14	13	1	0	1	1	0	1	0
2024	10/5/2024	6	14	13	1	0	1	1	0	1	0
2024	10/6/2024	6	14	13	1	0	1	1	0	1	0
2024	10/7/2024	6	14	13	1	0	1	1	0	1	0
2024	10/8/2024	6	14	13	1	0	1	1	0	1	0
2024	10/9/2024	6	14	13	1	0	1	1	0	1	0
2024	10/10/2024	6	14	13	1	0	1	1	0	1	0
2024	10/11/2024	6	14	13	1	0	1	1	0	1	0
2024	10/12/2024	6	14	13	1	0	1	1	0	1	0
2024	10/13/2024	6	14	13	1	0	1	1	0	1	0
2024	10/14/2024	6	14	13	1	0	1	1	0	1	0
2024	10/15/2024	6	14	13	1	0	1	1	0	1	0
2024	10/16/2024	6	14	13	1	0	1	1	0	1	0
2024	10/17/2024	6	14	13	1	0	1	1	0	1	0
2024	10/18/2024	6	14	13	1	0	1	1	0	1	0
2024	10/19/2024	6	14	13	1	0	1	1	0	1	0
2024	10/20/2024	6	14	13	1	0	1	1	0	1	0
2024	10/21/2024	6	14	13	1	0	1	1	0	1	0
2024	10/22/2024	6	14	13	1	0	1	1	0	1	0
2024	10/23/2024	6	14	13	1	0	1	1	0	1	0
2024	10/24/2024	6	14	13	1	0	1	1	0	1	0
2024	10/25/2024	6	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2024	10/26/2024	6	14	13	1	0	1	1	0	1	0
2024	10/27/2024	6	14	13	1	0	1	1	0	1	0
2024	10/28/2024	6	14	13	1	0	1	1	0	1	0
2024	10/29/2024	6	14	13	1	0	1	1	0	1	0
2024	10/30/2024	6	14	13	1	0	1	1	0	1	0
2024	10/31/2024	6	14	13	1	0	1	1	0	1	0
2024	11/1/2024	6	14	13	1	0	1	1	0	1	0
2024	11/2/2024	6	14	13	1	0	1	1	0	1	0
2024	11/3/2024	6	14	13	1	0	1	1	0	1	0
2024	11/4/2024	6	14	13	1	0	1	1	0	1	0
2024	11/5/2024	6	14	13	1	0	1	1	0	1	0
2024	11/6/2024	6	14	13	1	0	1	1	0	1	0
2024	11/7/2024	6	14	13	1	0	1	1	0	1	0
2024	11/8/2024	6	14	13	1	0	1	1	0	1	0
2024	11/9/2024	6	14	13	1	0	1	1	0	1	0
2024	11/10/2024	6	14	13	1	0	1	1	0	1	0
2024	11/11/2024	6	14	13	1	0	1	1	0	1	0
2024	11/12/2024	6	14	13	1	0	1	1	0	1	0
2024	11/13/2024	6	14	13	1	0	1	1	0	1	0
2024	11/14/2024	6	14	13	1	0	1	1	0	1	0
2024	11/15/2024	6	14	13	1	0	1	1	0	1	0
2024	11/16/2024	6	14	13	1	0	1	1	0	1	0
2024	11/17/2024	6	14	13	1	0	1	1	0	1	0
2024	11/18/2024	6	14	13	1	0	1	1	0	1	0
2024	11/19/2024	6	14	13	1	0	1	1	0	1	0
2024	11/20/2024	6	14	13	1	0	1	1	0	1	0
2024	11/21/2024	6	14	13	1	0	1	1	0	1	0
2024	11/22/2024	6	14	13	1	0	1	1	0	1	0
2024	11/23/2024	6	14	13	1	0	1	1	0	1	0
2024	11/24/2024	6	14	13	1	0	1	1	0	1	0
2024	11/25/2024	6	14	13	1	0	1	1	0	1	0
2024	11/26/2024	6	14	13	1	0	1	1	0	1	0
2024	11/27/2024	6	14	13	1	0	1	1	0	1	0
2024	11/28/2024	6	14	13	1	0	1	1	0	1	0
2024	11/29/2024	6	14	13	1	0	1	1	0	1	0
2024	11/30/2024	6	14	13	1	0	1	1	0	1	0
2024	12/1/2024	6	14	13	1	0	1	1	0	1	0
2024	12/2/2024	6	14	13	1	0	1	1	0	1	0
2024	12/3/2024	6	14	13	1	0	1	1	0	1	0
2024	12/4/2024	6	14	13	1	0	1	1	0	1	0
2024	12/5/2024	6	14	13	1	0	1	1	0	1	0
2024	12/6/2024	6	14	13	1	0	1	1	0	1	0
2024	12/7/2024	6	14	13	1	0	1	1	0	1	0
2024	12/8/2024	6	14	13	1	0	1	1	0	1	0
2024	12/9/2024	6	14	13	1	0	1	1	0	1	0
2024	12/10/2024	6	14	13	1	0	1	1	0	1	0
2024	12/11/2024	6	14	13	1	0	1	1	0	1	0
2024	12/12/2024	6	14	13	1	0	1	1	0	1	0
2024	12/13/2024	6	14	13	1	0	1	1	0	1	0
2024	12/14/2024	6	14	13	1	0	1	1	0	1	0
2024	12/15/2024	6	14	13	1	0	1	1	0	1	0
2024	12/16/2024	6	14	13	1	0	1	1	0	1	0
2024	12/17/2024	6	14	13	1	0	1	1	0	1	0
2024	12/18/2024	6	14	13	1	0	1	1	0	1	0
2024	12/19/2024	6	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2024	12/20/2024	6	14	13	1	0	1	1	0	1	0
2024	12/21/2024	6	14	13	1	0	1	1	0	1	0
2024	12/22/2024	6	14	13	1	0	1	1	0	1	0
2024	12/23/2024	6	14	13	1	0	1	1	0	1	0
2024	12/24/2024	6	14	13	1	0	1	1	0	1	0
2024	12/25/2024	6	14	13	1	0	1	1	0	1	0
2024	12/26/2024	6	14	13	1	0	1	1	0	1	0
2024	12/27/2024	6	14	13	1	0	1	1	0	1	0
2024	12/28/2024	6	14	13	1	0	1	1	0	1	0
2024	12/29/2024	6	14	13	1	0	1	1	0	1	0
2024	12/30/2024	6	14	13	1	0	1	1	0	1	0
2024	12/31/2024	6	14	13	1	0	1	1	0	1	0

All Trucks

Construction

Scenario

Summary of Total Emissions - Truck Scenario

	Tons per year										Metric tons per year			
Year	ROG	NOX	CO	PM10 E	PM10 D	PM 10 T	PM2.5 E	PM2.5 D	PM2.5 T	SO2	CO2	CH4	N2O	CO2e
2020	0.7	6.1	4.1	0.2	0.1	0.3	0.2	0.0	0.2	0.0	667	0	0	681
2021	0.2	1.8	1.3	0.1	0.0	0.1	0.1	0.0	0.1	0.0	220	0	0	224
2022	0.4	2.0	1.7	0.1	0.0	0.1	0.1	0.0	0.1	0.0	384	0	0	392
2023	0.7	1.8	1.7	0.1	0.0	0.1	0.1	0.0	0.1	0.0	304	0	0	309
2024	0.5	1.7	1.7	0.1	0.0	0.1	0.1	0.0	0.1	0.0	295	0	0	299
Max	0.7	6.1	4.1	0.2	0.1	0.3	0.2	0.0	0.2	0.0	667	0.1	0.0	681
Total	2.6	13.5	10.43	0.6	0.1	0.7	0.6	0.0	0.6	0.0	1,869	0	0	1,905
	2	*3*	*4*	*5*	*7*		*6*	*8*		*9*	*10*	*11*	*12*	*13*
									Amortized (14 years)		**133**	**0**	**0**	**136**

Summary of Total Fuel Consumption

Year	Gallons (diesel/gasoline)
2020	37,582
2021	17,968
2022	32,720
2023	30,186
2024	29,200
Total	147,655

Demolition- Unmitigated Truck Scenario

				2020																	6
				Pounds per day								Tons per year								Metric tons per year				Gal per
Code	Air Basin	Structures	tons/day	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1c	SDAB		0.0						0.0	0.0							0.00	0.00						
Phase2a	SDAB		38.4						0.9	0.1							0.01	0.00						
Phase3a	SDAB		71.2						1.7	0.3							0.02	0.00						
Phase6a	SDAB		9.6						0.2	0.0							0.00	0.00						
Phase8a	SDAB		0.0						0.0	0.0							0.00	0.00						
Phase9a	SDAB		0.0						0.0	0.0							0.00	0.00						
Phase10a	SDAB		6.7						0.2	0.0							0.00	0.00						
Phase12a	SDAB		9.4						0.2	0.0							0.00	0.00						
Phase13a	SDAB		0.3						0.0	0.0							0.00	0.00						
Phase14a	SDAB		0.0						0.0	0.0							0.00	0.00						
Phase15a	SDAB		0.0						0.0	0.0							0.00	0.00						

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demolition- Unmitigated Truck Scenario

				2021																		7
				Pounds per day								Tons per year								Metric tons per year				Gal per
Code	Air Basin	Structures	tons/day	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1c	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase2a	SDAB		38.4						0.9	0.1							0.0	0.0						
Phase3a	SDAB		71.2						1.7	0.3							0.0	0.0						
Phase6a	SDAB		9.6						0.2	0.0							0.0	0.0						
Phase8a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase9a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase10a	SDAB		6.7						0.2	0.0							0.0	0.0						
Phase12a	SDAB		9.4						0.2	0.0							0.0	0.0						
Phase13a	SDAB		0.3						0.0	0.0							0.0	0.0						
Phase14a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase15a	SDAB		0.0						0.0	0.0							0.0	0.0						

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demolition- Unmitigated Truck Scenario

				2022																	8
				Pounds per day							Tons per year								Metric tons per year				Gal per
Code	Air Basin	Structures	tons/day	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1c	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase2a	SDAB		38.4						0.9	0.1							0.0	0.0						
Phase3a	SDAB		71.2						1.7	0.3							0.0	0.0						
Phase6a	SDAB		9.6						0.2	0.0							0.0	0.0						
Phase8a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase9a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase10a	SDAB		6.7						0.2	0.0							0.0	0.0						
Phase12a	SDAB		9.4						0.2	0.0							0.0	0.0						
Phase13a	SDAB		0.3						0.0	0.0							0.0	0.0						
Phase14a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase15a	SDAB		0.0						0.0	0.0							0.0	0.0						

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demolition- Unmitigated Truck Scenario

				2023																		9
				Pounds per day								Tons per year								Metric tons per year				Gal per
Code	Air Basin	Structures	tons/day	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1c	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase2a	SDAB		38.4						0.9	0.1							0.0	0.0						
Phase3a	SDAB		71.2						1.7	0.3							0.0	0.0						
Phase6a	SDAB		9.6						0.2	0.0							0.0	0.0						
Phase8a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase9a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase10a	SDAB		6.7						0.2	0.0							0.0	0.0						
Phase12a	SDAB		9.4						0.2	0.0							0.0	0.0						
Phase13a	SDAB		0.3						0.0	0.0							0.0	0.0						
Phase14a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase15a	SDAB		0.0						0.0	0.0							0.0	0.0						

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demolition- Unmitigated Truck Scenario

				2024																	10
				Pounds per day							Tons per year								Metric tons per year				Gal per
Code	Air Basin	Structures	tons/day	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1c	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase2a	SDAB		38.4						0.9	0.1							0.0	0.0						
Phase3a	SDAB		71.2						1.7	0.3							0.0	0.0						
Phase6a	SDAB		9.6						0.2	0.0							0.0	0.0						
Phase8a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase9a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase10a	SDAB		6.7						0.2	0.0							0.0	0.0						
Phase12a	SDAB		9.4						0.2	0.0							0.0	0.0						
Phase13a	SDAB		0.3						0.0	0.0							0.0	0.0						
Phase14a	SDAB		0.0						0.0	0.0							0.0	0.0						
Phase15a	SDAB		0.0						0.0	0.0							0.0	0.0						

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Demolition- Unmitigated Truck Scenario

	Tons per year								Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0

Year	Gal/yr
2020	0
2021	0
2022	0
2023	0
2024	0

Earthmoving/Paving Calculations-Unmitigated Truck Scenario

							2020						2021						2022					
Code	Air Basin	Strip (acres/day)	Borrow/Excavate (cy/day)	Dozing hr/day	Dredge (cy/day)	Paving (sf/day)	Pounds per day			Tons per year			Pounds per day			Tons per year			Pounds per day			Tons per year		
							ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D
Phase1a	SDAB		0		2581		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Phase4a	SDAB		0		217		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	SDAB		0		154		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	SDAB		57		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	SDAB		10		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	SDAB		433		0		0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Phase12a	SDAB		21		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	SDAB		2		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Phase	Pounds per day			Tons per year			Pounds per day			Tons per year			Pounds per day			Tons per year		
	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D	ROG	PM10 D	PM2.5 D
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Earthmoving/Paving Calculations-Unmitigated Truck Scenario

							2023						2024					
Code	**Air Basin**	**Strip (acres/day)**	**Borrow/Excavate (cy/day)**	**Dozing hr/day**	**Dredge (cy/day)**	**Paving (sf/day)**	**Pounds per day**			**Tons per year**			**Pounds per day**			**Tons per year**		
							ROG	**PM10 D**	**PM2.5 D**	**ROG**	**PM10 D**	**PM2.5 D**	**ROG**	**PM10 D**	**PM2.5 D**	**ROG**	**PM10 D**	**PM2.5 D**
Phase1a	SDAB		0		2581		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Phase4a	SDAB		0		217		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	SDAB		0		154		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	SDAB		57		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	SDAB		10		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	SDAB		433		0		0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Phase12a	SDAB		21		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	SDAB		2		0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

	Pounds per day			Tons per year			Pounds per day			Tons per year		
Phase	**ROG**	**PM10 D**	**PM2.5 D**	**ROG**	**PM10 D**	**PM2.5 D**	**ROG**	**PM10 D**	**PM2.5 D**	**ROG**	**PM10 D**	**PM2.5 D**
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Earthmoving/Paving Calculations-Unmitigated Truck Scenario

	Tons per year								Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Year	Gal/yr
2020	0
2021	0
2022	0
2023	0
2024	0

Labor Calculations

									2020																				6
									Pounds per day								Tons per year								Metric tons per year				Gal per
Code	Air Basin	Vehicles/ day	Single Trips/day	Miles/day	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	SDAB	12	24	259	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	6.7	753
Phase2	SDAB	13	26	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	5.6	629
Phase3	SDAB	6	12	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.1	236
Phase4	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	7	14	151	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	181
Phase8	SDAB	6	12	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	91
Phase10	SDAB	13	26	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	16	32	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	16	32	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	3	6	65	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	6.7	753
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	5.6	629
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.1	236
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	181
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	91
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	0.1	0.1	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	0.1	0.1	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	0.1	0.1	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Labor Calculations

Code	Air Basin	Vehicles/ day	Single Trips/day	Miles/d ay	Vehicle	Vehicle Type	Fuel	Concat	2021																					7
									Pounds per day								Tons per year								Metric tons per year				Gal per year
									ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1	SDAB	12	24	259	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	13	26	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	6	12	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	7	14	151	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	3.6	405
Phase7	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	6	12	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.8	198
Phase9	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	13	26	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	16	32	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	16	32	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	286
Phase15	SDAB	3	6	65	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.1	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase2	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase4	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	3.6	0.0	0.0	3.6	405
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase7	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	1.7	0.0	0.0	1.8	198
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase10	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase11	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase12	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase13	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	2.5	0.0	0.0	2.5	286
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0

Labor Calculations

Code	Air Basin	Vehicles/ day	Single Trips/day	Miles/day	Vehicle	Vehicle Type	Fuel	Concat	2022														8
									Pounds per day							Tons per year							Metric tons per year				Gal per
									ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	SDAB	12	24	259	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	13	26	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	6	12	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	4.3	490
Phase5	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	114
Phase6	SDAB	7	14	151	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	6	12	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	13	26	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	16	32	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	5.6	636
Phase12	SDAB	16	32	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	3	6	65	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	140

Phase	Pounds per day								Tons per year								Metric tons per year				Gal per
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase4	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	4.3	489.61
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	113.53
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	5.6	635.79
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12	0.1	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase13	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	140.50
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

Labor Calculations

																									9
								2023																	
								Pounds per day							Tons per year							Metric tons per year				
Code	Air Basin	Vehicles/ day	Single Trips/day	Miles/day	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	SDAB	12	24	259	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	13	26	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	6	12	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	7	14	151	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	6	12	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	13	26	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	16	32	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	14.1	1591
Phase12	SDAB	16	32	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	10.6	1196
Phase13	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	3	6	65	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day							Tons per year								Metric tons per year				
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase4	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	14.1	1591.44
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	10.6	1196.32
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase13	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

Labor Calculations

Code	Air Basin	Vehicles/ day	Single Trips/day	Miles/day	Vehicle	Vehicle Type	Fuel	Concat	2024														10
									Pounds per day								Tons per year								Metric tons per year				Gal per
									ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	SDAB	12	24	259	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	13	26	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	6	12	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	7	14	151	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	6	12	130	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	13	26	281	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	11.6	1309
Phase11	SDAB	16	32	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	16	32	346	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	9.1	1028
Phase13	SDAB	10	20	216	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	146
Phase14	SDAB	5	10	108	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	3	6	65	Employee	LDA-LDT	Gas	SDABLDA-LDT	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Phase	Pounds per day								Tons per year								Metric tons per year				Gal per
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase4	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	11.6	1308.96
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12	0.1	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	9.1	1028.09
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase13	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	145.73
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00

Labor Calculations

	Tons per year								Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2020	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	17	0.0	0.0	17
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8	0.0	0.0	8
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	0.0	0.0	12
2023	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	24	0.0	0.0	25
2024	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0	22

Year	Gal/yr
2020	1,890
2021	889
2022	1,379
2023	2,788
2024	2,483

Total ***9,429***

Offroad Calculations

										2020												6
										3	4	5	6	7	8						9	10	11	
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat	Pounds per day						Tons per year						Metric tons per year				Gal per
										ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year
Phase1b	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.3	13.5	8.8	0.5	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	16.6	0.0	0.0	16.8	1622
Phase1c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	8.5	0.0	0.0	8.7	835
Phase1c	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.9	179
Phase1c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.1	296
Phase1c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	2.6	252
Phase1c	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	152
Phase1c	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.1	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.6	152
Phase1d	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	13.7	0.0	0.0	13.9	1343
Phase1d	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	3.0	289
Phase1d	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	4.9	0.0	0.0	4.9	477
Phase1d	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	4.1	0.0	0.0	4.2	405
Phase1d	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	245
Phase1d	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.1	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	244
Phase1e	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	1.9	183
Phase2a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	8.5	0.0	0.0	8.7	835
Phase2a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.9	179
Phase2a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.1	296
Phase2a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	2.6	252
Phase2a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	152
Phase2a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.1	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.6	152
Phase2b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.2	0.1	0.0	0.0	0.0	15.2	0.0	0.0	15.4	1488
Phase2b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	6.5	0.0	0.0	6.6	639
Phase2b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	5.4	0.0	0.0	5.5	528
Phase2b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	4.6	0.0	0.0	4.7	449
Phase2b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.8	271
Phase2b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.1	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.8	270
Phase2c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	244
Phase3a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	7.0	0.0	0.0	7.2	690
Phase3a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.5	148
Phase3a	Pile Extracting & Driving Vibratory Hammer	1	8	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.3	3.5	2.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	8.0	772
Phase3a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	122
Phase3a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.1	104
Phase3b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	12.2	0.0	0.0	12.4	1198
Phase3b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	5.3	0.0	0.0	5.3	515
Phase3b	Pile Driving Vibratory Hammer	1	5	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.2	2.2	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	8.7	838
Phase3b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	4.4	425
Phase3b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	3.7	361
Phase3c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Pile Extracting & Driving Vibratory Hammer	1	3	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4a	Tractor/Loader/Backhoe	2	12	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.5	16.2	10.6	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5b	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.1	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.3	13.5	8.8	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.1	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	5.2	0.0	0.0	5.3	508
Phase7a	Tractor/Loader/Backhoe	2	8	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.0	10.8	7.1	0.4	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	15.5	0.0	0.0	15.7	1514
Phase7b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	4.1	399
Phase7b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	86
Phase7b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	1.5	142
Phase7b	Pile Driving Vibratory Hammer	1	6	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.2	2.7	1.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	3.5	335
Phase7b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	120
Phase7b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.8	73
Phase7b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.1	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	72

Offroad Calculations

										2020												6
										3	4	5	6	7	8							9	10	11		
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat	Pounds per day						Tons per year						Metric tons per year				Gal per year
										ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	
Phase8a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.7	7.9	3.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.1	109
Phase9a	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	31
Phase9a	Pile Extracting Vibratory Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.3	122
Phase9a	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.9	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	26
Phase9a	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	0.8	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	22
Phase9b	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	3.6	345
Phase9b	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	99
Phase9b	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.9	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	82
Phase9b	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	0.8	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	69
Phase9c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	41
Phase10a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.9	2.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.9	2.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.9	2.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	3.1	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.8	3.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.6	2.4	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.9	1.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.4	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.3	2.7	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Offroad Calculations

										2021											7
										3	*4*	*5*	*6*	*7*	*8*					*9*	*10*	*11*	
Code	**Equip**	**#/day**	**hrs/day**	**CMOD**	**HP Bin**	**HP**	**LF**	**Fuel**	**Concat**	**Pounds per day**						**Tons per year**						**Metric tons per year**				**Gal per year**
										ROG	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**ROG**	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**CO2**	**CH4**	**N2O**	**CO2e**	
Phase1b	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.2	11.5	8.7	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1e	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Pile Extracting & Driving Vibratory Hammer	1	8	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.3	3.0	2.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Pile Driving Vibratory Hammer	1	5	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.2	1.9	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	13.0	0.0	0.0	13.2	1270
Phase3c	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	5.7	546
Phase3c	Pile Extracting & Driving Vibratory Hammer	1	3	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	5.5	534
Phase3c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	4.6	0.0	0.0	4.7	451
Phase3c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	4.0	383
Phase4a	Tractor/Loader/Backhoe	2	12	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.4	13.9	10.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5b	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	4.9	472
Phase6a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.1	101
Phase6a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.7	167
Phase6a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.5	142
Phase6a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	86
Phase6a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	86
Phase6a	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.2	11.5	8.7	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.8	271
Phase6b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.2	0.1	0.0	0.0	0.0	24.8	0.0	0.0	25.2	2432
Phase6b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	5.4	522
Phase6b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	8.8	0.0	0.0	9.0	863
Phase6b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	7.5	0.0	0.0	7.6	734
Phase6b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	4.6	443
Phase6b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	4.6	442
Phase6c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	244
Phase7a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	Tractor/Loader/Backhoe	2	8	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.9	9.2	7.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Pile Driving Vibratory Hammer	1	6	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.2	2.3	1.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Offroad Calculations

										2021												7
									3	4	5	6	7	8							9	10	11	
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat	Pounds per day						Tons per year						Metric tons per year				Gal per year
										ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	
Phase8a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	4.1	399
Phase8a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	71
Phase8a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	60
Phase8b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.6	7.1	2.9	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	13.0	0.0	0.0	13.2	1270
Phase8b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.3	225
Phase8b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	192
Phase9a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Pile Extracting Vibratory Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.9	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.9	1.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.3	2.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.3	2.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.3	2.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.8	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.6	2.7	2.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.1	203
Phase14a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.7	167
Phase14a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.5	142
Phase14a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	7.3	705
Phase14b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	117
Phase14b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	97
Phase14b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.9	82
Phase14b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	4.2	407
Phase15a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	1.4	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	2.3	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Offroad Calculations

										2022											8
										3	4	5	6	7	8							9	10	11		
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat	Pounds per day						Tons per year						Metric tons per year				Gal per
										ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year
Phase1b	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.0	9.3	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1e	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Pile Extracting & Driving Vibratory Hammer	1	8	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.2	2.3	2.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Pile Driving Vibratory Hammer	1	5	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Pile Extracting & Driving Vibratory Hammer	1	3	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4a	Tractor/Loader/Backhoe	2	12	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.2	11.2	10.0	0.4	0.4	0.0	0.0	0.4	0.3	0.0	0.0	0.0	114.5	0.0	0.0	116.3	11219
Phase5a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	11.9	0.0	0.0	12.0	1162
Phase5a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.1	207
Phase5a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	175
Phase5b	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	61
Phase6a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.0	9.3	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	Tractor/Loader/Backhoe	2	8	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.8	7.5	6.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Pile Driving Vibratory Hammer	1	6	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.2	1.7	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Offroad Calculations

										2022												8
										3	*4*	*5*	*6*	*7*	*8*							*9*	*10*	*11*		
Code	**Equip**	**#/day**	**hrs/day**	**CMOD**	**HP Bin**	**HP**	**LF**	**Fuel**	**Concat**	**Pounds per day**						**Tons per year**						**Metric tons per year**				**Gal per year**
										ROG	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**ROG**	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**CO2**	**CH4**	**N2O**	**CO2e**	
Phase8a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	6.1	2.8	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Pile Extracting Vibratory Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.9	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.4	4.6	2.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.1	109
Phase11a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	94
Phase11a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	78
Phase11a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	66
Phase11a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.7	163
Phase11a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	40
Phase11b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.4	4.6	2.1	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	14.2	0.0	0.0	14.4	1389
Phase11b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	8.1	0.0	0.0	8.2	795
Phase11b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	6.7	0.0	0.0	6.8	659
Phase11b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	5.7	0.0	0.0	5.8	558
Phase11b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	0.0	0.0	14.3	1382
Phase11b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	3.5	337
Phase12a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.4	4.6	2.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.3	2.5	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.6	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.3	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	3.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.1	296
Phase14b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	245
Phase14b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.2	208
Phase14b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	10.7	1030
Phase15a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	125
Phase15a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.1	103
Phase15a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	88
Phase15a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	4.5	434
Phase15b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	4.1	398
Phase15b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.3	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	3.4	329
Phase15b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.3	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	2.9	279
Phase15b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	0.0	0.0	14.3	1382

Offroad Calculations

										2023												9
										3	4	5	6	7	8						9	10	11	
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat	Pounds per day						Tons per year						Metric tons per year				Gal per
										ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year
Phase1b	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.0	8.1	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1e	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.3	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Pile Extracting & Driving Vibratory Hammer	1	8	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.2	2.0	2.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.3	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Pile Driving Vibratory Hammer	1	5	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.3	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Pile Extracting & Driving Vibratory Hammer	1	3	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4a	Tractor/Loader/Backhoe	2	12	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.2	9.7	10.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5b	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.0	8.1	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	Tractor/Loader/Backhoe	2	8	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.8	6.5	6.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Pile Driving Vibratory Hammer	1	6	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.2	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Offroad Calculations

										2023												9
										3	*4*	*5*	*6*	*7*	*8*							*9*	*10*	*11*		
Code	**Equip**	**#/day**	**hrs/day**	**CMOD**	**HP Bin**	**HP**	**LF**	**Fuel**	**Concat**	**Pounds per day**						**Tons per year**						**Metric tons per year**				**Gal per year**
										ROG	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**ROG**	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**CO2**	**CH4**	**N2O**	**CO2e**	
Phase8a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.6	2.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	2.8	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	0.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Pile Extracting Vibratory Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	0.7	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	2.8	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	0.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	0.7	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	2.8	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.3	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.6	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.4	4.2	2.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.3	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.6	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	2.8	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.3	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.6	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.4	4.2	2.0	0.2	0.2	0.0	0.0	0.3	0.1	0.0	0.0	0.0	40.3	0.0	0.0	40.9	3948
Phase11b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.3	2.7	0.1	0.1	0.0	0.0	0.2	0.2	0.0	0.0	0.0	23.1	0.0	0.0	23.4	2261
Phase11b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	19.1	0.0	0.0	19.4	1874
Phase11b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.2	0.2	0.0	0.0	0.0	16.2	0.0	0.0	16.5	1588
Phase11b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.6	1.7	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	40.1	0.0	0.0	40.8	3931
Phase11b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	9.8	0.0	0.0	9.9	959
Phase12a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	2.8	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	5.8	563
Phase12a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.3	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	5.0	483
Phase12a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	4.2	401
Phase12a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	3.5	339
Phase12a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.6	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	8.7	840
Phase12a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.1	205
Phase12b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.4	4.2	2.0	0.2	0.2	0.0	0.0	0.2	0.1	0.0	0.0	0.0	22.0	0.0	0.0	22.3	2151
Phase12b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.3	2.7	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	12.6	0.0	0.0	12.8	1232
Phase12b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	10.4	0.0	0.0	10.6	1021
Phase12b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.5	2.2	2.7	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	8.8	0.0	0.0	9.0	865
Phase12b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.6	1.7	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	21.9	0.0	0.0	22.2	2142
Phase12b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	5.4	522
Phase13a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.3	2.8	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.6	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.6	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.6	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.3	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.6	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Offroad Calculations

										2024											10
										3	4	5	6	7	8					9	10	11	
Code	Equip	#/day	hrs/day	CMOD	HP Bin	HP	LF	Fuel	Concat	Pounds per day						Tons per year						Metric tons per year				Gal per
										ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year
Phase1b	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.0	7.6	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1e	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Pile Extracting & Driving Vibratory Hammer	1	8	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.2	1.9	2.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Pile Driving Vibratory Hammer	1	5	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Pile Extracting & Driving Vibratory Hammer	1	3	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4a	Tractor/Loader/Backhoe	2	12	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.2	9.1	10.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5b	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	Tractor/Loader/Backhoe	2	10	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	1.0	7.6	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	Tractor/Loader/Backhoe	2	8	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.8	6.0	6.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Pile Driving Vibratory Hammer	1	6	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.2	1.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	Generators	1	4	Generator Sets	50	40	0.7	Diesel	Generator Sets50	0.1	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Offroad Calculations

										2024												10
										3	*4*	*5*	*6*	*7*	*8*							*9*	*10*	*11*		
Code	**Equip**	**#/day**	**hrs/day**	**CMOD**	**HP Bin**	**HP**	**LF**	**Fuel**	**Concat**	**Pounds per day**						**Tons per year**						**Metric tons per year**				**Gal per year**
										ROG	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**ROG**	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**CO2**	**CH4**	**N2O**	**CO2e**	
Phase8a	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Cranes	1	8	Cranes	250	340	0.3	Diesel	Cranes250	0.5	5.1	2.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Pile Extracting Vibratory Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.1	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Forklifts	1	4	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Other Construction Equipment	1	4	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	0.8	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	Other Material Handling Equipment	1	4	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.1	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9c	Pile Driving Hammer	1	4	Bore/Drill Rigs	250	221	0.5	Diesel	Bore/Drill Rigs250	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.8	272
Phase10a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	2.4	234
Phase10a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	194
Phase10a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.7	164
Phase10a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	4.2	407
Phase10a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	99
Phase10b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.4	3.8	1.9	0.2	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.0	38.1	0.0	0.0	38.7	3730
Phase10b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.0	21.8	0.0	0.0	22.2	2137
Phase10b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	18.1	0.0	0.0	18.4	1770
Phase10b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.1	0.2	0.0	0.0	0.0	15.3	0.0	0.0	15.6	1500
Phase10b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	38.0	0.0	0.0	38.6	3719
Phase10b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	9.2	0.0	0.0	9.3	906
Phase11a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.4	3.8	1.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	Cranes	1	6	Cranes	250	340	0.3	Diesel	Cranes250	0.4	3.8	1.9	0.2	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	27.0	0.0	0.0	27.4	2641
Phase12b	Forklifts	2	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.2	2.1	2.7	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	15.4	0.0	0.0	15.7	1513
Phase12b	Other Construction Equipment	2	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.5	2.5	2.8	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	12.8	0.0	0.0	13.0	1253
Phase12b	Other Material Handling Equipment	2	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.4	2.2	2.7	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	10.8	0.0	0.0	11.0	1062
Phase12b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	26.9	0.0	0.0	27.3	2633
Phase12b	Welders	2	4	Welders	25	33	0.5	Diesel	Welders25	0.2	1.2	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	6.5	0.0	0.0	6.6	641
Phase13a	Cranes	1	4	Cranes	250	340	0.3	Diesel	Cranes250	0.2	2.6	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	4.1	399
Phase13a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	172
Phase13a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.5	142
Phase13a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	120
Phase14a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Forklifts	1	6	Forklifts	120	140	0.2	Diesel	Forklifts120	0.1	1.0	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Other Construction Equipment	1	6	Other Construction Equipment	50	50	0.4	Diesel	Other Construction Equipment50	0.2	1.2	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Other Material Handling Equipment	1	6	Other Material Handling Equipment	50	45	0.4	Diesel	Other Material Handling Equipment50	0.2	1.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	Tractor/Loader/Backhoe	1	4	Tractors/Loaders/Backhoes	500	400	0.4	Diesel	Tractors/Loaders/Backhoes500	0.2	1.5	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Offroad Calculations

	2020																6	2021														7
	3	4	5	6	7	8							9	10	11			3	4	5	6	7	8						9	10	11		
	Pounds per day						Tons per year						Metric tons per year				Gal per	Pounds per day						Tons per year						Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	1.3	13.5	8.8	0.5	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	16.6	0.0	0.0	16.8	1622.4	1.2	11.5	8.7	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	2.4	16.9	12.1	1.0	0.9	0.0	0.0	0.2	0.1	0.0	0.0	0.0	19.1	0.0	0.0	19.3	1866.2	2.2	15.7	11.7	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	2.4	16.9	12.1	1.0	0.9	0.0	0.0	0.3	0.2	0.0	0.0	0.0	30.7	0.0	0.0	31.1	3002.1	2.2	15.7	11.7	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	1.9	182.8	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	2.4	16.9	12.1	1.0	0.9	0.0	0.0	0.2	0.1	0.0	0.0	0.0	19.1	0.0	0.0	19.3	1866.2	2.2	15.7	11.7	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	2.6	18.4	13.5	1.1	1.0	0.0	0.1	0.4	0.3	0.0	0.0	0.0	37.2	0.0	0.0	37.8	3646.3	2.3	17.1	13.0	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	243.7	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	1.7	15.6	9.5	0.8	0.7	0.0	0.0	0.1	0.1	0.0	0.0	0.0	18.7	0.0	0.0	19.0	1836.1	1.6	14.0	9.2	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	2.4	18.4	13.1	1.0	1.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	34.1	0.0	0.0	34.6	3337.0	2.1	16.8	12.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	2.3	17.5	12.5	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	16.1	12.2	0.9	0.8	0.0	0.0	0.3	0.2	0.0	0.0	0.0	32.5	0.0	0.0	33.0	3184.8
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	1.5	16.2	10.6	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	13.9	10.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	1.3	10.5	6.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	9.6	5.8	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	3.7	30.4	20.9	1.4	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	27.3	20.4	1.3	1.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	13.5	0.0	0.0	13.7	1325.7
Phase6b	2.4	16.9	12.1	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	15.7	11.7	0.9	0.8	0.0	0.1	0.5	0.4	0.0	0.0	0.0	55.5	0.0	0.0	56.3	5435.7
Phase6c	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5	244.3
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	1.7	18.7	10.2	0.7	0.6	0.0	0.0	0.1	0.1	0.0	0.0	0.0	20.6	0.0	0.0	21.0	2022.4	1.5	16.3	9.9	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	2.6	19.5	13.6	1.1	1.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	12.5	0.0	0.0	12.7	1227.6	2.4	18.0	13.2	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	1.3	10.5	6.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	9.6	5.8	0.5	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	5.4	0.0	0.0	5.5	530.3
Phase8b	1.3	10.5	6.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	9.6	5.8	0.5	0.4	0.0	0.0	0.2	0.1	0.0	0.0	0.0	17.2	0.0	0.0	17.5	1687.4
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	1.0	8.5	5.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	3.2	309.6	0.9	7.7	5.3	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.8	6.7	4.4	0.4	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	6.1	0.0	0.0	6.2	594.6	0.8	6.2	4.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.1	1.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	40.6	0.1	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	2.3	16.1	12.6	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	14.9	12.3	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	2.5	18.1	13.4	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	16.6	13.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	2.3	16.1	12.6	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	14.9	12.3	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	2.5	18.1	13.4	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	16.6	13.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	2.3	16.1	12.6	1.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	14.9	12.3	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	2.5	18.1	13.4	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	16.6	13.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	1.1	8.1	5.9	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.5	5.7	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	1.0	6.8	6.1	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	6.2	6.0	0.4	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	12.4	0.0	0.0	12.6	1217.2
Phase14b	1.0	6.8	6.1	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	6.2	6.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	7.3	702.2
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	1.0	6.8	6.1	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	6.2	6.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	1.0	6.8	6.1	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	6.2	6.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Offroad Calculations

	2022																8	2023														9
	3	4	5	6	7	8							9	10	11			3	4	5	6	7	8							9	10	11	
	Pounds per day						Tons per year						Metric tons per year				Gal per	Pounds per day						Tons per year						Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	1.0	9.3	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	8.1	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	2.0	14.5	11.4	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	13.6	11.2	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	2.0	14.5	11.4	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	13.6	11.2	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	2.0	14.5	11.4	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	13.6	11.2	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	2.2	15.7	12.8	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	14.7	12.5	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	1.4	12.1	9.0	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	11.1	8.8	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	2.0	15.0	12.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	13.9	12.2	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	1.9	14.4	11.9	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	13.4	11.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	1.2	11.2	10.0	0.4	0.4	0.0	0.0	0.4	0.3	0.0	0.0	0.0	114.5	0.0	0.0	116.3	11218.7	1.2	9.7	10.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	1.1	8.6	5.6	0.4	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	15.8	0.0	0.0	16.0	1543.5	1.0	7.9	5.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	61.2	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	3.1	23.8	19.8	1.1	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	21.7	19.5	1.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	2.0	14.5	11.4	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	13.6	11.2	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	1.4	13.6	9.4	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	12.1	9.3	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	2.2	16.2	13.0	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	15.1	12.7	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	1.1	8.6	5.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.9	5.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	1.1	8.6	5.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.9	5.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.8	6.7	5.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.1	5.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.7	5.5	4.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	5.1	4.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	2.0	13.5	12.1	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	12.6	11.8	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	2.1	15.0	12.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	14.0	12.5	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	2.0	13.5	12.1	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	5.7	547.9	1.8	12.6	11.8	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	2.1	15.0	12.8	0.8	0.8	0.0	0.1	0.4	0.3	0.0	0.0	0.0	52.3	0.0	0.0	53.1	5120.4	2.0	14.0	12.5	0.8	0.7	0.0	0.1	1.0	0.9	0.1	0.1	0.0	148.7	0.0	0.0	150.9	14560.2
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	2.0	13.5	12.1	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	12.6	11.8	0.7	0.7	0.0	0.0	0.2	0.2	0.0	0.0	0.0	28.9	0.0	0.0	29.3	2831.5
Phase12b	2.1	15.0	12.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	14.0	12.5	0.8	0.7	0.0	0.1	0.6	0.5	0.0	0.0	0.0	81.0	0.0	0.0	82.2	7932.8
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.9	6.8	5.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	6.3	5.4	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.9	5.6	5.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	5.1	5.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.9	5.6	5.9	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	18.2	0.0	0.0	18.5	1779.5	0.8	5.1	5.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.9	5.6	5.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	7.8	749.3	0.8	5.1	5.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.9	5.6	5.9	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	24.4	0.0	0.0	24.8	2388.3	0.8	5.1	5.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Offroad Calculations

	2024																10
	3	*4*	*5*	*6*	*7*	*8*							*9*	*10*	*11*		
	Pounds per day						Tons per year						Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	SO2	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1b	1.0	7.6	8.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1c	1.8	12.9	11.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1d	1.8	12.9	11.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase1e	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2a	1.8	12.9	11.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2b	1.9	13.9	12.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2c	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3a	1.3	10.4	8.7	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3b	1.7	13.0	12.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3c	1.7	12.6	11.5	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4a	1.2	9.1	10.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5a	0.9	7.4	5.3	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5b	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6a	2.8	20.5	19.3	0.9	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6b	1.8	12.9	11.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6c	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7a	1.3	11.2	9.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7b	2.0	14.3	12.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8a	0.9	7.4	5.3	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8b	0.9	7.4	5.3	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9a	0.7	5.8	5.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9b	0.6	4.8	4.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9c	0.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10a	1.7	12.0	11.7	0.6	0.6	0.0	0.0	0.1	0.1	0.0	0.0	0.0	14.0	0.0	0.0	14.2	1371
Phase10b	1.9	13.2	12.4	0.7	0.6	0.0	0.1	0.9	0.8	0.0	0.0	0.0	140.5	0.0	0.0	142.6	13761
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11a	1.7	12.0	11.7	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11b	1.9	13.2	12.4	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12a	1.7	12.0	11.7	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12b	1.9	13.2	12.4	0.7	0.6	0.0	0.1	0.6	0.6	0.0	0.0	0.0	99.5	0.0	0.0	101.0	9743
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13a	0.8	5.9	5.4	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	8.5	0.0	0.0	8.6	833
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14a	0.8	4.9	5.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14b	0.8	4.9	5.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15a	0.8	4.9	5.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15b	0.8	4.9	5.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Offroad Calculations

	Tons per year						Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e
2020	0	2	1	0	0	0	223	0	0	226
2021	0	1	1	0	0	0	146	0	0	149
2022	0	1	1	0	0	0	239	0	0	243
2023	0	2	2	0	0	0	259	0	0	263
2024	0	2	2	0	0	0	262	0	0	266

Year	Gal/yr
2020	21,798
2021	14,328
2022	23,409
2023	25,325
2024	25,709

Total ***110,568***

Onroad Calculations- Unmitigated Truck Scenario

Code	Air Basin	Total Trucks	Single Trips/day Yearly	Miles/day Yearly	Vehicles/day Daily	Single Trips/day Daily	Miles/day Daily	Vehicle	Vehicle Type	Fuel	Concat	2020																6
												Pounds per day								Tons per year								Metric tons per year				Gal per year
												ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1	SDAB	1380	33	665	17	34	680	General Truck	T7	Diesel	SDABT7	0.8	11.9	2.3	0.2	0.2	0.3	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	106.8	0.0	0.0	111.8	10460
Phase2	SDAB	256	8	160	4	8	160	General Truck	T7	Diesel	SDABT7	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	20.7	1940
Phase3	SDAB	180	7	138	4	8	160	General Truck	T7	Diesel	SDABT7	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	14.6	1364
Phase4	SDAB	1000	29	580	15	30	600	General Truck	T7	Diesel	SDABT7	0.7	10.5	2.0	0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	24	2	30	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	289	7	146	4	8	160	General Truck	T7	Diesel	SDABT7	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	1	17	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	76
Phase8	SDAB	75	3	67	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	7	1	12	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.6	53
Phase10	SDAB	22	0	6	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	258	3	51	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	213	2	41	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	25	2	45	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

Phase	Pounds per day								Tons per year								Metric tons per year				Gal per year
	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1	0.8	11.9	2.3	0.2	0.2	0.3	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	106.8	0.0	0.0	111.8	10460.5
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	20.7	1940.5
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	14.6	1364.4
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.7	10.5	2.0	0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.2	2.8	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	75.8
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.6	53.1
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Onroad Calculations- Unmitigated Truck Scenario

											2021												7
											Pounds per day								Tons per year								Metric tons per year				Gal per
Code	Air Basin	Total Trucks	Single Trips/day Yearly	Miles/day Yearly	Vehicles/day Daily	Single Trips/day Daily	Miles/day Daily	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	SDAB	1380	33	665	17	34	680	General Truck	T7	Diesel	SDABT7	0.7	10.3	2.0	0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	256	8	160	4	8	160	General Truck	T7	Diesel	SDABT7	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	180	7	138	4	8	160	General Truck	T7	Diesel	SDABT7	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	1000	29	580	15	30	600	General Truck	T7	Diesel	SDABT7	0.6	9.1	1.8	0.2	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	24	2	30	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	289	7	146	4	8	160	General Truck	T7	Diesel	SDABT7	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	23.0	2155
Phase7	SDAB	10	1	17	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	75	3	67	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	6.0	559
Phase9	SDAB	7	1	12	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	22	0	6	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	258	3	51	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	213	2	41	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	25	2	45	2	4	80	General Truck	T7	Diesel	SDABT7	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	37
Phase15	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.7	10.3	2.0	0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.6	9.1	1.8	0.2	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.2	2.4	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	23.0	2154.8
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	6.0	559.2
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.1	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	37.3
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Onroad Calculations- Unmitigated Truck Scenario

											2022													8
											Pounds per day								Tons per year								Metric tons per year				Gal per
Code	Air Basin	Total Trucks	Single Trips/day Yearly	Miles/day Yearly	Vehicles/day Daily	Single Trips/day Daily	Miles/day Daily	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	SDAB	1380	33	665	17	34	680	General Truck	T7	Diesel	SDABT7	0.3	7.7	1.4	0.1	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	256	8	160	4	8	160	General Truck	T7	Diesel	SDABT7	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	180	7	138	4	8	160	General Truck	T7	Diesel	SDABT7	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	1000	29	580	15	30	600	General Truck	T7	Diesel	SDABT7	0.3	6.8	1.2	0.1	0.1	0.3	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	73.6	0.0	0.0	77.0	7204
Phase5	SDAB	24	2	30	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	173
Phase6	SDAB	289	7	146	4	8	160	General Truck	T7	Diesel	SDABT7	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	1	17	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	75	3	67	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	7	1	12	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	22	0	6	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	258	3	51	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	5.5	518
Phase12	SDAB	213	2	41	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase13	SDAB	25	2	45	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	36

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.3	7.7	1.4	0.1	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.3	6.8	1.2	0.1	0.1	0.3	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	73.6	0.0	0.0	77.0	7204.5
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	172.9
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.1	1.8	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	5.5	517.9
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4	36.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Onroad Calculations- Unmitigated Truck Scenario

											2023													9
											Pounds per day								Tons per year								Metric tons per year				Gal per
Code	Air Basin	Total Trucks	Single Trips/day Yearly	Miles/day Yearly	Vehicles/day Daily	Single Trips/day Daily	Miles/day Daily	Vehicle	Vehicle Type	Fuel	Concat	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	SDAB	1380	33	665	17	34	680	General Truck	T7	Diesel	SDABT7	0.1	5.9	1.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	256	8	160	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	180	7	138	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	1000	29	580	15	30	600	General Truck	T7	Diesel	SDABT7	0.1	5.2	0.9	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	24	2	30	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	289	7	146	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	1	17	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	75	3	67	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	7	1	12	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	22	0	6	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase11	SDAB	258	3	51	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	13.8	1291
Phase12	SDAB	213	2	41	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	8.4	782
Phase13	SDAB	25	2	45	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase14	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day								Tons per year								Metric tons per year				Gal per
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	year
Phase1	0.1	5.9	1.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.1	5.2	0.9	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	13.8	1291.3
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	8.4	781.9
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Onroad Calculations- Unmitigated Truck Scenario

											2024												10
Code	Air Basin	Total Trucks	Single Trips/day Yearly	Miles/day Yearly	Vehicles/day Daily	Single Trips/day Daily	Miles/day Daily	Vehicle	Vehicle Type	Fuel	Concat	Pounds per day								Tons per year								Metric tons per year				Gal per year
												ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1	SDAB	1380	33	665	17	34	680	General Truck	T7	Diesel	SDABT7	0.1	5.9	1.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase2	SDAB	256	8	160	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase3	SDAB	180	7	138	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase4	SDAB	1000	29	580	15	30	600	General Truck	T7	Diesel	SDABT7	0.1	5.2	0.9	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase5	SDAB	24	2	30	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase6	SDAB	289	7	146	4	8	160	General Truck	T7	Diesel	SDABT7	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase7	SDAB	10	1	17	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase8	SDAB	75	3	67	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase9	SDAB	7	1	12	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase10	SDAB	22	0	6	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.6	151
Phase11	SDAB	258	3	51	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase12	SDAB	213	2	41	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	7.3	687
Phase13	SDAB	25	2	45	2	4	80	General Truck	T7	Diesel	SDABT7	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.8	171
Phase14	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Phase15	SDAB	5	0	3	1	2	40	General Truck	T7	Diesel	SDABT7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0

	Pounds per day								Tons per year								Metric tons per year				Gal per year
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	
Phase1	0.1	5.9	1.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.1	5.2	0.9	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	1.4	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.6	150.6
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	7.3	686.8
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.8	171.2
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Onroad Calculations- Unmitigated Truck Scenario

	Tons per year								Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2020	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	142	0.0	0.0	149
2021	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	28	0.0	0.0	29
2022	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	81	0.0	0.0	85
2023	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	21	0.0	0.0	22
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0.0	0.0	11

Year	Gal/yr
2020	13,894
2021	2,751
2022	7,931
2023	2,073
2024	1,009

Total ***27,659***

Marine Calculations- Truck Scenario

	2020																			6	2021																	7
	Pounds per day								Tons per year								Metric tons per year					Pounds per day								Tons per year								Metric tons per year				
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Phase1a	20.1	160.2	117.2	5.7	5.6	0.0	0.0	0.2	0.38	3.0	2.2	0.1	0.1	0.0	0.0	0.0	249.1	0.0	0.0	252.6	24402.5	20.1	160.2	117.2	5.7	5.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	3.4	332.8	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	3.3	318.9	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	3.3	318.9	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	5.9	568.5	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	5.5	526.9	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	9.5	915.2	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	10.0	970.7
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	2.3	14.3	12.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	14.3	12.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.9	180.3
Phase6b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	9.6	929.1
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	1.2	10.3	8.2	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	6.5	625.5	1.2	10.3	8.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	1.5	13.1	10.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	13.1	10.2	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	6.3	610.1
Phase8b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	10.0	970.7
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Marine Calculations- Truck Scenario

	2022																			8	2023															9
	Pounds per day								Tons per year								Metric tons per year					Pounds per day								Tons per year								Metric tons per year				
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Phase1a	20.1	160.2	117.2	5.7	5.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	160.2	117.2	5.7	5.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	2.3	14.3	12.5	0.4	0.4	0.0	0.0	0.0	0.1	0.5	0.4	0.0	0.0	0.0	0.0	0.0	46.9	0.0	0.0	47.6	4593.6	2.3	14.3	12.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	4.6	443.7	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	1.2	10.3	8.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	10.3	8.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	1.5	13.1	10.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	13.1	10.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Marine Calculations- Truck Scenario

	2024																				10
	Pounds per day								Tons per year								Metric tons per year				
Phase	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e	Gal per year
Phase1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Phase1a	20.1	160.2	117.2	5.7	5.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1c	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase1e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase2c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3a	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase3c	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase4a	2.3	14.3	12.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase5b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6a	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6b	0.4	3.3	2.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase6c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7a	1.2	10.3	8.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase7b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8a	1.5	13.1	10.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase8b	0.7	6.5	5.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase9c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase10b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase11b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase12b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase13a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase14b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phase15b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Marine Calculations- Truck Scenario

	Tons per year								Metric tons per year			
Year	ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	SO2	CO2	CH4	N2O	CO2e
2020	0.4	3.5	2.6	0.1	0.1	0.0	0.0	0.0	286.0	0.0	0.0	290.0
2021	0.0	0.4	0.3	0.0	0.0	0.0	0.0	0.0	37.4	0.0	0.0	37.9
2022	0.1	0.5	0.5	0.0	0.0	0.0	0.0	0.0	51.4	0.0	0.0	52.2
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Year	Gal/yr
2020	28,009
2021	3,661
2022	5,037
2023	0
2024	0

Total ***36,707***

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2020	1/1/2020	0	0	0	0	0	0	0	0	0	0
2020	1/2/2020	0	0	0	0	0	0	0	0	0	0
2020	1/3/2020	0	0	0	0	0	0	0	0	0	0
2020	1/4/2020	0	0	0	0	0	0	0	0	0	0
2020	1/5/2020	0	0	0	0	0	0	0	0	0	0
2020	1/6/2020	0	0	0	0	0	0	0	0	0	0
2020	1/7/2020	0	0	0	0	0	0	0	0	0	0
2020	1/8/2020	0	0	0	0	0	0	0	0	0	0
2020	1/9/2020	0	0	0	0	0	0	0	0	0	0
2020	1/10/2020	0	0	0	0	0	0	0	0	0	0
2020	1/11/2020	0	0	0	0	0	0	0	0	0	0
2020	1/12/2020	0	0	0	0	0	0	0	0	0	0
2020	1/13/2020	0	0	0	0	0	0	0	0	0	0
2020	1/14/2020	0	0	0	0	0	0	0	0	0	0
2020	1/15/2020	0	0	0	0	0	0	0	0	0	0
2020	1/16/2020	0	0	0	0	0	0	0	0	0	0
2020	1/17/2020	0	0	0	0	0	0	0	0	0	0
2020	1/18/2020	0	0	0	0	0	0	0	0	0	0
2020	1/19/2020	0	0	0	0	0	0	0	0	0	0
2020	1/20/2020	0	0	0	0	0	0	0	0	0	0
2020	1/21/2020	0	0	0	0	0	0	0	0	0	0
2020	1/22/2020	0	0	0	0	0	0	0	0	0	0
2020	1/23/2020	0	0	0	0	0	0	0	0	0	0
2020	1/24/2020	0	0	0	0	0	0	0	0	0	0
2020	1/25/2020	0	0	0	0	0	0	0	0	0	0
2020	1/26/2020	0	0	0	0	0	0	0	0	0	0
2020	1/27/2020	0	0	0	0	0	0	0	0	0	0
2020	1/28/2020	0	0	0	0	0	0	0	0	0	0
2020	1/29/2020	0	0	0	0	0	0	0	0	0	0
2020	1/30/2020	0	0	0	0	0	0	0	0	0	0
2020	1/31/2020	0	0	0	0	0	0	0	0	0	0
2020	2/1/2020	0	0	0	0	0	0	0	0	0	0
2020	2/2/2020	0	0	0	0	0	0	0	0	0	0
2020	2/3/2020	0	0	0	0	0	0	0	0	0	0
2020	2/4/2020	0	0	0	0	0	0	0	0	0	0
2020	2/5/2020	0	0	0	0	0	0	0	0	0	0
2020	2/6/2020	0	0	0	0	0	0	0	0	0	0
2020	2/7/2020	0	0	0	0	0	0	0	0	0	0
2020	2/8/2020	0	0	0	0	0	0	0	0	0	0
2020	2/9/2020	0	0	0	0	0	0	0	0	0	0
2020	2/10/2020	0	0	0	0	0	0	0	0	0	0
2020	2/11/2020	0	0	0	0	0	0	0	0	0	0
2020	2/12/2020	0	0	0	0	0	0	0	0	0	0
2020	2/13/2020	0	0	0	0	0	0	0	0	0	0
2020	2/14/2020	0	0	0	0	0	0	0	0	0	0
2020	2/15/2020	0	0	0	0	0	0	0	0	0	0
2020	2/16/2020	0	0	0	0	0	0	0	0	0	0
2020	2/17/2020	0	0	0	0	0	0	0	0	0	0
2020	2/18/2020	0	0	0	0	0	0	0	0	0	0
2020	2/19/2020	0	0	0	0	0	0	0	0	0	0
2020	2/20/2020	0	0	0	0	0	0	0	0	0	0
2020	2/21/2020	0	0	0	0	0	0	0	0	0	0
2020	2/22/2020	0	0	0	0	0	0	0	0	0	0
2020	2/23/2020	0	0	0	0	0	0	0	0	0	0
2020	2/24/2020	0	0	0	0	0	0	0	0	0	0
2020	2/25/2020	0	0	0	0	0	0	0	0	0	0
2020	2/26/2020	0	0	0	0	0	0	0	0	0	0
2020	2/27/2020	0	0	0	0	0	0	0	0	0	0
2020	2/28/2020	0	0	0	0	0	0	0	0	0	0
2020	2/29/2020	0	0	0	0	0	0	0	0	0	0
2020	3/1/2020	0	0	0	0	0	0	0	0	0	0
2020	3/2/2020	0	0	0	0	0	0	0	0	0	0
2020	3/3/2020	0	0	0	0	0	0	0	0	0	0
2020	3/4/2020	0	0	0	0	0	0	0	0	0	0
2020	3/5/2020	0	0	0	0	0	0	0	0	0	0
2020	3/6/2020	0	0	0	0	0	0	0	0	0	0
2020	3/7/2020	0	0	0	0	0	0	0	0	0	0
2020	3/8/2020	0	0	0	0	0	0	0	0	0	0
2020	3/9/2020	0	0	0	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2020	3/10/2020	0	0	0	0	0	0	0	0	0	0
2020	3/11/2020	0	0	0	0	0	0	0	0	0	0
2020	3/12/2020	0	0	0	0	0	0	0	0	0	0
2020	3/13/2020	0	0	0	0	0	0	0	0	0	0
2020	3/14/2020	0	0	0	0	0	0	0	0	0	0
2020	3/15/2020	0	0	0	0	0	0	0	0	0	0
2020	3/16/2020	0	0	0	0	0	0	0	0	0	0
2020	3/17/2020	0	0	0	0	0	0	0	0	0	0
2020	3/18/2020	0	0	0	0	0	0	0	0	0	0
2020	3/19/2020	0	0	0	0	0	0	0	0	0	0
2020	3/20/2020	0	0	0	0	0	0	0	0	0	0
2020	3/21/2020	0	0	0	0	0	0	0	0	0	0
2020	3/22/2020	0	0	0	0	0	0	0	0	0	0
2020	3/23/2020	0	0	0	0	0	0	0	0	0	0
2020	3/24/2020	3	25	15	1	2	3	1	0	1	0
2020	3/25/2020	3	25	15	1	2	3	1	0	1	0
2020	3/26/2020	3	25	15	1	2	3	1	0	1	0
2020	3/27/2020	3	25	15	1	2	3	1	0	1	0
2020	3/28/2020	3	25	15	1	2	3	1	0	1	0
2020	3/29/2020	3	25	15	1	2	3	1	0	1	0
2020	3/30/2020	3	25	15	1	2	3	1	0	1	0
2020	3/31/2020	3	25	15	1	2	3	1	0	1	0
2020	4/1/2020	3	25	15	1	2	3	1	0	1	0
2020	4/2/2020	3	25	15	1	2	3	1	0	1	0
2020	4/3/2020	3	25	15	1	2	3	1	0	1	0
2020	4/4/2020	3	25	15	1	2	3	1	0	1	0
2020	4/5/2020	3	25	15	1	2	3	1	0	1	0
2020	4/6/2020	3	25	15	1	2	3	1	0	1	0
2020	4/7/2020	3	25	15	1	2	3	1	0	1	0
2020	4/8/2020	3	25	15	1	2	3	1	0	1	0
2020	4/9/2020	3	25	15	1	2	3	1	0	1	0
2020	4/10/2020	3	25	15	1	2	3	1	0	1	0
2020	4/11/2020	3	25	15	1	2	3	1	0	1	0
2020	4/12/2020	3	25	15	1	2	3	1	0	1	0
2020	4/13/2020	3	25	15	1	2	3	1	0	1	0
2020	4/14/2020	3	25	15	1	2	3	1	0	1	0
2020	4/15/2020	3	25	15	1	2	3	1	0	1	0
2020	4/16/2020	3	25	15	1	2	3	1	0	1	0
2020	4/17/2020	3	25	15	1	2	3	1	0	1	0
2020	4/18/2020	0	3	1	0	0	0	0	0	0	0
2020	4/19/2020	0	3	1	0	0	0	0	0	0	0
2020	4/20/2020	0	3	1	0	0	0	0	0	0	0
2020	4/21/2020	1	12	7	0	0	1	0	0	0	0
2020	4/22/2020	1	12	7	0	0	1	0	0	0	0
2020	4/23/2020	1	12	7	0	0	1	0	0	0	0
2020	4/24/2020	1	12	7	0	0	1	0	0	0	0
2020	4/25/2020	1	12	7	0	0	1	0	0	0	0
2020	4/26/2020	1	12	7	0	0	1	0	0	0	0
2020	4/27/2020	1	12	7	0	0	1	0	0	0	0
2020	4/28/2020	2	20	12	1	0	1	1	0	1	0
2020	4/29/2020	1	12	7	0	0	1	0	0	0	0
2020	4/30/2020	1	10	6	0	0	1	0	0	0	0
2020	5/1/2020	1	10	6	0	0	1	0	0	0	0
2020	5/2/2020	1	10	6	0	0	1	0	0	0	0
2020	5/3/2020	1	10	6	0	0	1	0	0	0	0
2020	5/4/2020	1	10	6	0	0	1	0	0	0	0
2020	5/5/2020	1	10	6	0	0	1	0	0	0	0
2020	5/6/2020	1	10	6	0	0	1	0	0	0	0
2020	5/7/2020	1	10	6	0	0	1	0	0	0	0
2020	5/8/2020	1	10	6	0	0	1	0	0	0	0
2020	5/9/2020	1	10	6	0	0	1	0	0	0	0
2020	5/10/2020	1	10	6	0	0	1	0	0	0	0
2020	5/11/2020	1	10	6	0	0	1	0	0	0	0
2020	5/12/2020	1	10	6	0	0	1	0	0	0	0
2020	5/13/2020	1	10	6	0	0	1	0	0	0	0
2020	5/14/2020	1	10	6	0	0	1	0	0	0	0
2020	5/15/2020	1	10	6	0	0	1	0	0	0	0
2020	5/16/2020	1	10	6	0	0	1	0	0	0	0
2020	5/17/2020	1	10	6	0	0	1	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2020	5/18/2020	1	10	6	0	0	1	0	0	0	0
2020	5/19/2020	1	10	6	0	0	1	0	0	0	0
2020	5/20/2020	1	10	6	0	0	1	0	0	0	0
2020	5/21/2020	1	10	6	0	0	1	0	0	0	0
2020	5/22/2020	1	10	6	0	0	1	0	0	0	0
2020	5/23/2020	0	3	1	0	0	0	0	0	0	0
2020	5/24/2020	0	3	1	0	0	0	0	0	0	0
2020	5/25/2020	0	3	1	0	0	0	0	0	0	0
2020	5/26/2020	0	3	1	0	0	0	0	0	0	0
2020	5/27/2020	0	3	1	0	0	0	0	0	0	0
2020	5/28/2020	0	3	1	0	0	0	0	0	0	0
2020	5/29/2020	0	3	1	0	0	0	0	0	0	0
2020	5/30/2020	0	3	1	0	0	0	0	0	0	0
2020	5/31/2020	0	3	1	0	0	0	0	0	0	0
2020	6/1/2020	3	26	17	1	1	2	1	0	1	0
2020	6/2/2020	3	26	17	1	1	2	1	0	1	0
2020	6/3/2020	3	26	17	1	1	2	1	0	1	0
2020	6/4/2020	3	26	17	1	1	2	1	0	1	0
2020	6/5/2020	3	26	17	1	1	2	1	0	1	0
2020	6/6/2020	3	26	17	1	1	2	1	0	1	0
2020	6/7/2020	3	26	17	1	1	2	1	0	1	0
2020	6/8/2020	3	26	17	1	1	2	1	0	1	0
2020	6/9/2020	3	26	17	1	1	2	1	0	1	0
2020	6/10/2020	3	26	17	1	1	2	1	0	1	0
2020	6/11/2020	3	26	17	1	1	2	1	0	1	0
2020	6/12/2020	3	26	17	1	1	2	1	0	1	0
2020	6/13/2020	3	26	17	1	1	2	1	0	1	0
2020	6/14/2020	3	26	17	1	1	2	1	0	1	0
2020	6/15/2020	3	26	17	1	1	2	1	0	1	0
2020	6/16/2020	3	26	17	1	1	2	1	0	1	0
2020	6/17/2020	3	26	17	1	1	2	1	0	1	0
2020	6/18/2020	3	26	17	1	1	2	1	0	1	0
2020	6/19/2020	3	26	17	1	1	2	1	0	1	0
2020	6/20/2020	3	26	17	1	1	2	1	0	1	0
2020	6/21/2020	3	26	17	1	1	2	1	0	1	0
2020	6/22/2020	7	58	34	2	2	4	2	0	3	0
2020	6/23/2020	7	58	34	2	2	4	2	0	3	0
2020	6/24/2020	7	58	34	2	2	4	2	0	3	0
2020	6/25/2020	7	58	34	2	2	4	2	0	3	0
2020	6/26/2020	7	58	34	2	2	4	2	0	3	0
2020	6/27/2020	7	58	34	2	2	4	2	0	3	0
2020	6/28/2020	7	58	34	2	2	4	2	0	3	0
2020	6/29/2020	7	58	34	2	2	4	2	0	3	0
2020	6/30/2020	7	58	34	2	2	4	2	0	3	0
2020	7/1/2020	7	58	34	2	2	4	2	0	3	0
2020	7/2/2020	4	38	19	1	1	2	1	0	1	0
2020	7/3/2020	4	38	19	1	1	2	1	0	1	0
2020	7/4/2020	4	38	19	1	1	2	1	0	1	0
2020	7/5/2020	4	38	19	1	1	2	1	0	1	0
2020	7/6/2020	24	198	137	7	1	8	7	0	7	0
2020	7/7/2020	24	198	137	7	1	8	7	0	7	0
2020	7/8/2020	24	198	137	7	1	8	7	0	7	0
2020	7/9/2020	24	198	137	7	1	8	7	0	7	0
2020	7/10/2020	24	198	137	7	1	8	7	0	7	0
2020	7/11/2020	24	198	137	7	1	8	7	0	7	0
2020	7/12/2020	24	198	137	7	1	8	7	0	7	0
2020	7/13/2020	24	198	137	7	1	8	7	0	7	0
2020	7/14/2020	24	198	137	7	1	8	7	0	7	0
2020	7/15/2020	24	198	137	7	1	8	7	0	7	0
2020	7/16/2020	24	198	137	7	1	8	7	0	7	0
2020	7/17/2020	24	198	137	7	1	8	7	0	7	0
2020	7/18/2020	24	198	137	7	1	8	7	0	7	0
2020	7/19/2020	24	198	137	7	1	8	7	0	7	0
2020	7/20/2020	24	198	137	7	1	8	7	0	7	0
2020	7/21/2020	24	198	137	7	1	8	7	0	7	0
2020	7/22/2020	24	198	137	7	1	8	7	0	7	0
2020	7/23/2020	23	198	136	7	1	7	6	0	7	0
2020	7/24/2020	23	198	136	7	1	7	6	0	7	0
2020	7/25/2020	23	198	136	7	1	7	6	0	7	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2020	7/26/2020	23	198	136	7	1	7	6	0	7	0
2020	7/27/2020	23	198	136	7	1	7	6	0	7	0
2020	7/28/2020	23	198	136	7	1	7	6	0	7	0
2020	7/29/2020	23	198	136	7	1	7	6	0	7	0
2020	7/30/2020	23	198	136	7	1	7	6	0	7	0
2020	7/31/2020	23	198	136	7	1	7	6	0	7	0
2020	8/1/2020	23	198	136	7	1	7	6	0	7	0
2020	8/2/2020	23	198	136	7	1	7	6	0	7	0
2020	8/3/2020	23	198	136	7	1	7	6	0	7	0
2020	8/4/2020	27	221	153	8	1	9	8	0	8	0
2020	8/5/2020	25	201	139	7	1	8	7	0	7	0
2020	8/6/2020	25	201	139	7	1	8	7	0	7	0
2020	8/7/2020	25	201	139	7	1	8	7	0	7	0
2020	8/8/2020	25	201	139	7	1	8	7	0	7	0
2020	8/9/2020	25	201	139	7	1	8	7	0	7	0
2020	8/10/2020	25	201	139	7	1	8	7	0	7	0
2020	8/11/2020	27	220	152	8	1	9	8	0	8	0
2020	8/12/2020	27	220	152	8	1	9	8	0	8	0
2020	8/13/2020	27	220	152	8	1	9	8	0	8	0
2020	8/14/2020	7	60	35	3	1	3	2	0	3	0
2020	8/15/2020	7	60	35	3	1	3	2	0	3	0
2020	8/16/2020	7	60	35	3	1	3	2	0	3	0
2020	8/17/2020	7	60	35	3	1	3	2	0	3	0
2020	8/18/2020	7	60	35	3	1	3	2	0	3	0
2020	8/19/2020	7	60	35	3	1	3	2	0	3	0
2020	8/20/2020	7	58	34	3	1	3	2	0	3	0
2020	8/21/2020	7	58	34	3	1	3	2	0	3	0
2020	8/22/2020	7	56	33	2	1	3	2	0	2	0
2020	8/23/2020	7	56	33	2	1	3	2	0	2	0
2020	8/24/2020	7	56	33	2	1	3	2	0	2	0
2020	8/25/2020	7	56	33	2	1	3	2	0	2	0
2020	8/26/2020	7	56	33	2	1	3	2	0	2	0
2020	8/27/2020	7	56	33	2	1	3	2	0	2	0
2020	8/28/2020	7	56	33	2	1	3	2	0	2	0
2020	8/29/2020	7	56	33	2	1	3	2	0	2	0
2020	8/30/2020	7	56	33	2	1	3	2	0	2	0
2020	8/31/2020	7	56	33	2	1	3	2	0	2	0
2020	9/1/2020	7	56	33	2	1	3	2	0	2	0
2020	9/2/2020	7	56	33	2	1	3	2	0	2	0
2020	9/3/2020	7	56	33	2	1	3	2	0	2	0
2020	9/4/2020	7	56	33	2	1	3	2	0	2	0
2020	9/5/2020	7	56	33	2	1	3	2	0	2	0
2020	9/6/2020	7	56	33	2	1	3	2	0	2	0
2020	9/7/2020	7	56	33	2	1	3	2	0	2	0
2020	9/8/2020	7	56	33	2	1	3	2	0	2	0
2020	9/9/2020	7	56	33	2	1	3	2	0	2	0
2020	9/10/2020	7	56	33	2	1	3	2	0	2	0
2020	9/11/2020	7	56	33	2	1	3	2	0	2	0
2020	9/12/2020	7	56	33	2	1	3	2	0	2	0
2020	9/13/2020	7	56	33	2	1	3	2	0	2	0
2020	9/14/2020	7	56	33	2	1	3	2	0	2	0
2020	9/15/2020	7	56	33	2	1	3	2	0	2	0
2020	9/16/2020	7	56	33	2	1	3	2	0	2	0
2020	9/17/2020	7	56	33	2	1	3	2	0	2	0
2020	9/18/2020	7	56	33	2	1	3	2	0	2	0
2020	9/19/2020	7	56	33	2	1	3	2	0	2	0
2020	9/20/2020	7	56	33	2	1	3	2	0	2	0
2020	9/21/2020	7	56	33	2	1	3	2	0	2	0
2020	9/22/2020	7	56	33	2	1	3	2	0	2	0
2020	9/23/2020	7	56	33	2	1	3	2	0	2	0
2020	9/24/2020	7	56	33	2	1	3	2	0	2	0
2020	9/25/2020	7	56	33	2	1	3	2	0	2	0
2020	9/26/2020	7	56	33	2	1	3	2	0	2	0
2020	9/27/2020	7	56	33	2	1	3	2	0	2	0
2020	9/28/2020	7	56	33	2	1	3	2	0	2	0
2020	9/29/2020	7	56	33	2	1	3	2	0	2	0
2020	9/30/2020	3	32	16	1	0	2	1	0	1	0
2020	10/1/2020	0	3	1	0	0	0	0	0	0	0
2020	10/2/2020	0	3	1	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

		MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)										
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	
2020	10/3/2020	0	3	1	0	0	0	0	0	0	0	
2020	10/4/2020	0	3	1	0	0	0	0	0	0	0	
2020	10/5/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/6/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/7/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/8/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/9/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/10/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/11/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/12/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/13/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/14/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/15/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/16/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/17/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/18/2020	3	22	14	1	0	1	1	0	1	0	
2020	10/19/2020	6	52	33	2	0	2	2	0	2	0	
2020	10/20/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/21/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/22/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/23/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/24/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/25/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/26/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/27/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/28/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/29/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/30/2020	3	33	20	1	0	1	1	0	1	0	
2020	10/31/2020	3	33	20	1	0	1	1	0	1	0	
2020	11/1/2020	3	33	20	1	0	1	1	0	1	0	
2020	11/2/2020	3	33	20	1	0	1	1	0	1	0	
2020	11/3/2020	3	33	20	1	0	1	1	0	1	0	
2020	11/4/2020	3	33	20	1	0	1	1	0	1	0	
2020	11/5/2020	3	33	20	1	0	1	1	0	1	0	
2020	11/6/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/7/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/8/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/9/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/10/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/11/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/12/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/13/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/14/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/15/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/16/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/17/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/18/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/19/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/20/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/21/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/22/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/23/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/24/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/25/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/26/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/27/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/28/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/29/2020	3	28	19	1	0	1	1	0	1	0	
2020	11/30/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/1/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/2/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/3/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/4/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/5/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/6/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/7/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/8/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/9/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/10/2020	3	28	19	1	0	1	1	0	1	0	

Calculates Max Daily Emissions for the Entire Project

		MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)										
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	
2020	12/11/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/12/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/13/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/14/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/15/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/16/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/17/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/18/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/19/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/20/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/21/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/22/2020	3	28	19	1	0	1	1	0	1	0	
2020	12/23/2020	0	0	0	0	0	0	0	0	0	0	
2020	12/24/2020	0	0	0	0	0	0	0	0	0	0	
2020	12/25/2020	0	0	0	0	0	0	0	0	0	0	
2020	12/26/2020	0	0	0	0	0	0	0	0	0	0	
2020	12/27/2020	0	0	0	0	0	0	0	0	0	0	
2020	12/28/2020	0	0	0	0	0	0	0	0	0	0	
2020	12/29/2020	0	0	0	0	0	0	0	0	0	0	
2020	12/30/2020	0	0	0	0	0	0	0	0	0	0	
2020	12/31/2020	0	0	0	0	0	0	0	0	0	0	
2021	1/1/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/2/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/3/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/4/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/5/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/6/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/7/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/8/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/9/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/10/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/11/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/12/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/13/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/14/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/15/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/16/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/17/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/18/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/19/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/20/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/21/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/22/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/23/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/24/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/25/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/26/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/27/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/28/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/29/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/30/2021	0	0	0	0	0	0	0	0	0	0	
2021	1/31/2021	0	0	0	0	0	0	0	0	0	0	
2021	2/1/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/2/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/3/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/4/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/5/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/6/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/7/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/8/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/9/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/10/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/11/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/12/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/13/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/14/2021	3	24	16	1	0	1	1	0	1	0	
2021	2/15/2021	5	40	27	2	0	2	1	0	1	0	
2021	2/16/2021	2	17	11	1	0	1	1	0	1	0	
2021	2/17/2021	2	17	11	1	0	1	1	0	1	0	

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2021	2/18/2021	2	17	11	1	0	1	1	0	1	0
2021	2/19/2021	2	17	11	1	0	1	1	0	1	0
2021	2/20/2021	2	17	11	1	0	1	1	0	1	0
2021	2/21/2021	2	17	11	1	0	1	1	0	1	0
2021	2/22/2021	2	17	11	1	0	1	1	0	1	0
2021	2/23/2021	2	17	11	1	0	1	1	0	1	0
2021	2/24/2021	2	17	11	1	0	1	1	0	1	0
2021	2/25/2021	2	17	11	1	0	1	1	0	1	0
2021	2/26/2021	2	17	11	1	0	1	1	0	1	0
2021	2/27/2021	2	17	11	1	0	1	1	0	1	0
2021	2/28/2021	2	17	11	1	0	1	1	0	1	0
2021	3/1/2021	2	17	11	1	0	1	1	0	1	0
2021	3/2/2021	2	17	11	1	0	1	1	0	1	0
2021	3/3/2021	2	17	11	1	0	1	1	0	1	0
2021	3/4/2021	2	17	11	1	0	1	1	0	1	0
2021	3/5/2021	2	17	11	1	0	1	1	0	1	0
2021	3/6/2021	2	17	11	1	0	1	1	0	1	0
2021	3/7/2021	2	17	11	1	0	1	1	0	1	0
2021	3/8/2021	2	17	11	1	0	1	1	0	1	0
2021	3/9/2021	2	17	11	1	0	1	1	0	1	0
2021	3/10/2021	2	17	11	1	0	1	1	0	1	0
2021	3/11/2021	2	17	11	1	0	1	1	0	1	0
2021	3/12/2021	2	17	11	1	0	1	1	0	1	0
2021	3/13/2021	2	17	11	1	0	1	1	0	1	0
2021	3/14/2021	2	17	11	1	0	1	1	0	1	0
2021	3/15/2021	2	17	11	1	0	1	1	0	1	0
2021	3/16/2021	2	17	11	1	0	1	1	0	1	0
2021	3/17/2021	2	17	11	1	0	1	1	0	1	0
2021	3/18/2021	2	17	11	1	0	1	1	0	1	0
2021	3/19/2021	2	17	11	1	0	1	1	0	1	0
2021	3/20/2021	2	17	11	1	0	1	1	0	1	0
2021	3/21/2021	2	17	11	1	0	1	1	0	1	0
2021	3/22/2021	2	17	11	1	0	1	1	0	1	0
2021	3/23/2021	2	17	11	1	0	1	1	0	1	0
2021	3/24/2021	2	17	11	1	0	1	1	0	1	0
2021	3/25/2021	2	17	11	1	0	1	1	0	1	0
2021	3/26/2021	2	17	11	1	0	1	1	0	1	0
2021	3/27/2021	2	17	11	1	0	1	1	0	1	0
2021	3/28/2021	2	17	11	1	0	1	1	0	1	0
2021	3/29/2021	2	17	11	1	0	1	1	0	1	0
2021	3/30/2021	2	17	11	1	0	1	1	0	1	0
2021	3/31/2021	2	17	11	1	0	1	1	0	1	0
2021	4/1/2021	2	17	11	1	0	1	1	0	1	0
2021	4/2/2021	2	17	11	1	0	1	1	0	1	0
2021	4/3/2021	0	0	0	0	0	0	0	0	0	0
2021	4/4/2021	0	0	0	0	0	0	0	0	0	0
2021	4/5/2021	3	23	17	1	0	1	1	0	1	0
2021	4/6/2021	3	23	17	1	0	1	1	0	1	0
2021	4/7/2021	3	23	17	1	0	1	1	0	1	0
2021	4/8/2021	3	23	17	1	0	1	1	0	1	0
2021	4/9/2021	3	23	17	1	0	1	1	0	1	0
2021	4/10/2021	3	23	17	1	0	1	1	0	1	0
2021	4/11/2021	3	23	17	1	0	1	1	0	1	0
2021	4/12/2021	3	23	17	1	0	1	1	0	1	0
2021	4/13/2021	3	23	17	1	0	1	1	0	1	0
2021	4/14/2021	3	23	17	1	0	1	1	0	1	0
2021	4/15/2021	3	23	17	1	0	1	1	0	1	0
2021	4/16/2021	3	23	17	1	0	1	1	0	1	0
2021	4/17/2021	3	23	17	1	0	1	1	0	1	0
2021	4/18/2021	3	23	17	1	0	1	1	0	1	0
2021	4/19/2021	3	23	17	1	0	1	1	0	1	0
2021	4/20/2021	3	23	17	1	0	1	1	0	1	0
2021	4/21/2021	3	23	17	1	0	1	1	0	1	0
2021	4/22/2021	3	23	17	1	0	1	1	0	1	0
2021	4/23/2021	3	23	17	1	0	1	1	0	1	0
2021	4/24/2021	3	23	17	1	0	1	1	0	1	0
2021	4/25/2021	3	23	17	1	0	1	1	0	1	0
2021	4/26/2021	3	23	17	1	0	1	1	0	1	0
2021	4/27/2021	3	23	17	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2021	4/28/2021	3	23	17	1	0	1	1	0	1	0
2021	4/29/2021	3	23	17	1	0	1	1	0	1	0
2021	4/30/2021	3	23	17	1	0	1	1	0	1	0
2021	5/1/2021	3	23	17	1	0	1	1	0	1	0
2021	5/2/2021	3	23	17	1	0	1	1	0	1	0
2021	5/3/2021	3	23	17	1	0	1	1	0	1	0
2021	5/4/2021	3	23	17	1	0	1	1	0	1	0
2021	5/5/2021	3	23	17	1	0	1	1	0	1	0
2021	5/6/2021	3	23	17	1	0	1	1	0	1	0
2021	5/7/2021	3	23	17	1	0	1	1	0	1	0
2021	5/8/2021	3	23	17	1	0	1	1	0	1	0
2021	5/9/2021	3	23	17	1	0	1	1	0	1	0
2021	5/10/2021	3	23	17	1	0	1	1	0	1	0
2021	5/11/2021	3	23	17	1	0	1	1	0	1	0
2021	5/12/2021	3	23	17	1	0	1	1	0	1	0
2021	5/13/2021	3	23	17	1	0	1	1	0	1	0
2021	5/14/2021	3	23	17	1	0	1	1	0	1	0
2021	5/15/2021	3	23	17	1	0	1	1	0	1	0
2021	5/16/2021	3	23	17	1	0	1	1	0	1	0
2021	5/17/2021	3	23	17	1	0	1	1	0	1	0
2021	5/18/2021	3	23	17	1	0	1	1	0	1	0
2021	5/19/2021	3	23	17	1	0	1	1	0	1	0
2021	5/20/2021	3	23	17	1	0	1	1	0	1	0
2021	5/21/2021	3	23	17	1	0	1	1	0	1	0
2021	5/22/2021	0	0	0	0	0	0	0	0	0	0
2021	5/23/2021	0	0	0	0	0	0	0	0	0	0
2021	5/24/2021	0	0	0	0	0	0	0	0	0	0
2021	5/25/2021	0	0	0	0	0	0	0	0	0	0
2021	5/26/2021	0	0	0	0	0	0	0	0	0	0
2021	5/27/2021	0	0	0	0	0	0	0	0	0	0
2021	5/28/2021	0	0	0	0	0	0	0	0	0	0
2021	5/29/2021	0	0	0	0	0	0	0	0	0	0
2021	5/30/2021	0	0	0	0	0	0	0	0	0	0
2021	5/31/2021	0	0	0	0	0	0	0	0	0	0
2021	6/1/2021	0	0	0	0	0	0	0	0	0	0
2021	6/2/2021	0	0	0	0	0	0	0	0	0	0
2021	6/3/2021	0	0	0	0	0	0	0	0	0	0
2021	6/4/2021	0	0	0	0	0	0	0	0	0	0
2021	6/5/2021	0	0	0	0	0	0	0	0	0	0
2021	6/6/2021	0	0	0	0	0	0	0	0	0	0
2021	6/7/2021	0	0	0	0	0	0	0	0	0	0
2021	6/8/2021	0	0	0	0	0	0	0	0	0	0
2021	6/9/2021	0	0	0	0	0	0	0	0	0	0
2021	6/10/2021	0	0	0	0	0	0	0	0	0	0
2021	6/11/2021	0	0	0	0	0	0	0	0	0	0
2021	6/12/2021	0	0	0	0	0	0	0	0	0	0
2021	6/13/2021	0	0	0	0	0	0	0	0	0	0
2021	6/14/2021	4	33	24	1	0	2	1	0	1	0
2021	6/15/2021	4	33	24	1	0	2	1	0	1	0
2021	6/16/2021	4	33	24	1	0	2	1	0	1	0
2021	6/17/2021	4	33	24	1	0	2	1	0	1	0
2021	6/18/2021	4	33	24	1	0	2	1	0	1	0
2021	6/19/2021	4	33	24	1	0	2	1	0	1	0
2021	6/20/2021	4	33	24	1	0	2	1	0	1	0
2021	6/21/2021	4	33	24	1	0	2	1	0	1	0
2021	6/22/2021	4	33	24	1	0	2	1	0	1	0
2021	6/23/2021	4	33	24	1	0	2	1	0	1	0
2021	6/24/2021	4	33	24	1	0	2	1	0	1	0
2021	6/25/2021	4	33	24	1	0	2	1	0	1	0
2021	6/26/2021	4	33	24	1	0	2	1	0	1	0
2021	6/27/2021	4	33	24	1	0	2	1	0	1	0
2021	6/28/2021	4	35	25	1	0	2	1	0	1	0
2021	6/29/2021	4	35	25	1	0	2	1	0	1	0
2021	6/30/2021	7	53	39	2	0	3	2	0	2	0
2021	7/1/2021	3	23	16	1	0	1	1	0	1	0
2021	7/2/2021	3	23	16	1	0	1	1	0	1	0
2021	7/3/2021	3	23	16	1	0	1	1	0	1	0
2021	7/4/2021	3	23	16	1	0	1	1	0	1	0
2021	7/5/2021	3	23	16	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2021	7/6/2021	3	23	16	1	0	1	1	0	1	0
2021	7/7/2021	3	23	16	1	0	1	1	0	1	0
2021	7/8/2021	3	23	16	1	0	1	1	0	1	0
2021	7/9/2021	3	23	16	1	0	1	1	0	1	0
2021	7/10/2021	3	23	16	1	0	1	1	0	1	0
2021	7/11/2021	3	23	16	1	0	1	1	0	1	0
2021	7/12/2021	3	23	16	1	0	1	1	0	1	0
2021	7/13/2021	3	23	16	1	0	1	1	0	1	0
2021	7/14/2021	3	21	15	1	0	1	1	0	1	0
2021	7/15/2021	3	21	15	1	0	1	1	0	1	0
2021	7/16/2021	3	21	15	1	0	1	1	0	1	0
2021	7/17/2021	3	21	15	1	0	1	1	0	1	0
2021	7/18/2021	3	21	15	1	0	1	1	0	1	0
2021	7/19/2021	3	21	15	1	0	1	1	0	1	0
2021	7/20/2021	3	21	15	1	0	1	1	0	1	0
2021	7/21/2021	3	21	15	1	0	1	1	0	1	0
2021	7/22/2021	3	21	15	1	0	1	1	0	1	0
2021	7/23/2021	3	21	15	1	0	1	1	0	1	0
2021	7/24/2021	3	21	15	1	0	1	1	0	1	0
2021	7/25/2021	3	21	15	1	0	1	1	0	1	0
2021	7/26/2021	3	21	15	1	0	1	1	0	1	0
2021	7/27/2021	3	21	15	1	0	1	1	0	1	0
2021	7/28/2021	3	21	15	1	0	1	1	0	1	0
2021	7/29/2021	3	21	15	1	0	1	1	0	1	0
2021	7/30/2021	3	21	15	1	0	1	1	0	1	0
2021	7/31/2021	3	21	15	1	0	1	1	0	1	0
2021	8/1/2021	3	21	15	1	0	1	1	0	1	0
2021	8/2/2021	3	21	15	1	0	1	1	0	1	0
2021	8/3/2021	3	21	15	1	0	1	1	0	1	0
2021	8/4/2021	3	21	15	1	0	1	1	0	1	0
2021	8/5/2021	3	21	15	1	0	1	1	0	1	0
2021	8/6/2021	3	21	15	1	0	1	1	0	1	0
2021	8/7/2021	3	21	15	1	0	1	1	0	1	0
2021	8/8/2021	3	21	15	1	0	1	1	0	1	0
2021	8/9/2021	3	21	15	1	0	1	1	0	1	0
2021	8/10/2021	3	21	15	1	0	1	1	0	1	0
2021	8/11/2021	3	21	15	1	0	1	1	0	1	0
2021	8/12/2021	3	21	15	1	0	1	1	0	1	0
2021	8/13/2021	3	21	15	1	0	1	1	0	1	0
2021	8/14/2021	3	21	15	1	0	1	1	0	1	0
2021	8/15/2021	3	21	15	1	0	1	1	0	1	0
2021	8/16/2021	3	21	15	1	0	1	1	0	1	0
2021	8/17/2021	3	21	15	1	0	1	1	0	1	0
2021	8/18/2021	3	21	15	1	0	1	1	0	1	0
2021	8/19/2021	3	21	15	1	0	1	1	0	1	0
2021	8/20/2021	3	21	15	1	0	1	1	0	1	0
2021	8/21/2021	3	21	15	1	0	1	1	0	1	0
2021	8/22/2021	3	21	15	1	0	1	1	0	1	0
2021	8/23/2021	3	21	15	1	0	1	1	0	1	0
2021	8/24/2021	3	21	15	1	0	1	1	0	1	0
2021	8/25/2021	3	21	15	1	0	1	1	0	1	0
2021	8/26/2021	3	21	15	1	0	1	1	0	1	0
2021	8/27/2021	3	21	15	1	0	1	1	0	1	0
2021	8/28/2021	3	21	15	1	0	1	1	0	1	0
2021	8/29/2021	3	21	15	1	0	1	1	0	1	0
2021	8/30/2021	3	21	15	1	0	1	1	0	1	0
2021	8/31/2021	3	21	15	1	0	1	1	0	1	0
2021	9/1/2021	3	21	15	1	0	1	1	0	1	0
2021	9/2/2021	3	21	15	1	0	1	1	0	1	0
2021	9/3/2021	3	21	15	1	0	1	1	0	1	0
2021	9/4/2021	3	21	15	1	0	1	1	0	1	0
2021	9/5/2021	3	21	15	1	0	1	1	0	1	0
2021	9/6/2021	3	21	15	1	0	1	1	0	1	0
2021	9/7/2021	3	21	15	1	0	1	1	0	1	0
2021	9/8/2021	3	21	15	1	0	1	1	0	1	0
2021	9/9/2021	3	21	15	1	0	1	1	0	1	0
2021	9/10/2021	3	21	15	1	0	1	1	0	1	0
2021	9/11/2021	3	21	15	1	0	1	1	0	1	0
2021	9/12/2021	3	21	15	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2021	9/13/2021	3	21	15	1	0	1	1	0	1	0
2021	9/14/2021	3	21	15	1	0	1	1	0	1	0
2021	9/15/2021	3	21	15	1	0	1	1	0	1	0
2021	9/16/2021	3	21	15	1	0	1	1	0	1	0
2021	9/17/2021	3	21	15	1	0	1	1	0	1	0
2021	9/18/2021	3	21	15	1	0	1	1	0	1	0
2021	9/19/2021	3	21	15	1	0	1	1	0	1	0
2021	9/20/2021	3	21	15	1	0	1	1	0	1	0
2021	9/21/2021	3	21	15	1	0	1	1	0	1	0
2021	9/22/2021	3	21	15	1	0	1	1	0	1	0
2021	9/23/2021	3	21	15	1	0	1	1	0	1	0
2021	9/24/2021	3	21	15	1	0	1	1	0	1	0
2021	9/25/2021	3	21	15	1	0	1	1	0	1	0
2021	9/26/2021	3	21	15	1	0	1	1	0	1	0
2021	9/27/2021	3	21	15	1	0	1	1	0	1	0
2021	9/28/2021	3	21	15	1	0	1	1	0	1	0
2021	9/29/2021	3	21	15	1	0	1	1	0	1	0
2021	9/30/2021	3	21	15	1	0	1	1	0	1	0
2021	10/1/2021	0	0	0	0	0	0	0	0	0	0
2021	10/2/2021	0	0	0	0	0	0	0	0	0	0
2021	10/3/2021	0	0	0	0	0	0	0	0	0	0
2021	10/4/2021	0	0	0	0	0	0	0	0	0	0
2021	10/5/2021	0	0	0	0	0	0	0	0	0	0
2021	10/6/2021	0	0	0	0	0	0	0	0	0	0
2021	10/7/2021	0	0	0	0	0	0	0	0	0	0
2021	10/8/2021	0	0	0	0	0	0	0	0	0	0
2021	10/9/2021	0	0	0	0	0	0	0	0	0	0
2021	10/10/2021	0	0	0	0	0	0	0	0	0	0
2021	10/11/2021	0	0	0	0	0	0	0	0	0	0
2021	10/12/2021	0	0	0	0	0	0	0	0	0	0
2021	10/13/2021	0	0	0	0	0	0	0	0	0	0
2021	10/14/2021	0	0	0	0	0	0	0	0	0	0
2021	10/15/2021	0	0	0	0	0	0	0	0	0	0
2021	10/16/2021	0	0	0	0	0	0	0	0	0	0
2021	10/17/2021	0	0	0	0	0	0	0	0	0	0
2021	10/18/2021	0	0	0	0	0	0	0	0	0	0
2021	10/19/2021	0	0	0	0	0	0	0	0	0	0
2021	10/20/2021	0	0	0	0	0	0	0	0	0	0
2021	10/21/2021	0	0	0	0	0	0	0	0	0	0
2021	10/22/2021	0	0	0	0	0	0	0	0	0	0
2021	10/23/2021	0	0	0	0	0	0	0	0	0	0
2021	10/24/2021	0	0	0	0	0	0	0	0	0	0
2021	10/25/2021	0	0	0	0	0	0	0	0	0	0
2021	10/26/2021	0	0	0	0	0	0	0	0	0	0
2021	10/27/2021	0	0	0	0	0	0	0	0	0	0
2021	10/28/2021	0	0	0	0	0	0	0	0	0	0
2021	10/29/2021	0	0	0	0	0	0	0	0	0	0
2021	10/30/2021	0	0	0	0	0	0	0	0	0	0
2021	10/31/2021	0	0	0	0	0	0	0	0	0	0
2021	11/1/2021	0	0	0	0	0	0	0	0	0	0
2021	11/2/2021	0	0	0	0	0	0	0	0	0	0
2021	11/3/2021	0	0	0	0	0	0	0	0	0	0
2021	11/4/2021	0	0	0	0	0	0	0	0	0	0
2021	11/5/2021	0	0	0	0	0	0	0	0	0	0
2021	11/6/2021	0	0	0	0	0	0	0	0	0	0
2021	11/7/2021	0	0	0	0	0	0	0	0	0	0
2021	11/8/2021	1	7	6	0	0	0	0	0	0	0
2021	11/9/2021	1	7	6	0	0	0	0	0	0	0
2021	11/10/2021	1	7	6	0	0	0	0	0	0	0
2021	11/11/2021	1	7	6	0	0	0	0	0	0	0
2021	11/12/2021	1	7	6	0	0	0	0	0	0	0
2021	11/13/2021	1	7	6	0	0	0	0	0	0	0
2021	11/14/2021	1	7	6	0	0	0	0	0	0	0
2021	11/15/2021	1	7	6	0	0	0	0	0	0	0
2021	11/16/2021	1	7	6	0	0	0	0	0	0	0
2021	11/17/2021	1	7	6	0	0	0	0	0	0	0
2021	11/18/2021	1	7	6	0	0	0	0	0	0	0
2021	11/19/2021	1	7	6	0	0	0	0	0	0	0
2021	11/20/2021	1	7	6	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2021	11/21/2021	1	7	6	0	0	0	0	0	0	0
2021	11/22/2021	1	7	6	0	0	0	0	0	0	0
2021	11/23/2021	1	7	6	0	0	0	0	0	0	0
2021	11/24/2021	1	7	6	0	0	0	0	0	0	0
2021	11/25/2021	1	7	6	0	0	0	0	0	0	0
2021	11/26/2021	1	7	6	0	0	0	0	0	0	0
2021	11/27/2021	1	7	6	0	0	0	0	0	0	0
2021	11/28/2021	1	7	6	0	0	0	0	0	0	0
2021	11/29/2021	1	7	6	0	0	0	0	0	0	0
2021	11/30/2021	1	7	6	0	0	0	0	0	0	0
2021	12/1/2021	1	7	6	0	0	0	0	0	0	0
2021	12/2/2021	1	7	6	0	0	0	0	0	0	0
2021	12/3/2021	1	7	6	0	0	0	0	0	0	0
2021	12/4/2021	1	7	6	0	0	0	0	0	0	0
2021	12/5/2021	1	7	6	0	0	0	0	0	0	0
2021	12/6/2021	1	7	6	0	0	0	0	0	0	0
2021	12/7/2021	1	7	6	0	0	0	0	0	0	0
2021	12/8/2021	1	7	6	0	0	0	0	0	0	0
2021	12/9/2021	1	7	6	0	0	0	0	0	0	0
2021	12/10/2021	1	7	6	0	0	0	0	0	0	0
2021	12/11/2021	1	7	6	0	0	0	0	0	0	0
2021	12/12/2021	1	7	6	0	0	0	0	0	0	0
2021	12/13/2021	2	13	12	1	0	1	1	0	1	0
2021	12/14/2021	1	6	6	0	0	0	0	0	0	0
2021	12/15/2021	1	6	6	0	0	0	0	0	0	0
2021	12/16/2021	1	6	6	0	0	0	0	0	0	0
2021	12/17/2021	1	6	6	0	0	0	0	0	0	0
2021	12/18/2021	1	6	6	0	0	0	0	0	0	0
2021	12/19/2021	1	6	6	0	0	0	0	0	0	0
2021	12/20/2021	1	6	6	0	0	0	0	0	0	0
2021	12/21/2021	1	6	6	0	0	0	0	0	0	0
2021	12/22/2021	1	6	6	0	0	0	0	0	0	0
2021	12/23/2021	1	6	6	0	0	0	0	0	0	0
2021	12/24/2021	1	6	6	0	0	0	0	0	0	0
2021	12/25/2021	1	6	6	0	0	0	0	0	0	0
2021	12/26/2021	1	6	6	0	0	0	0	0	0	0
2021	12/27/2021	1	6	6	0	0	0	0	0	0	0
2021	12/28/2021	1	6	6	0	0	0	0	0	0	0
2021	12/29/2021	1	6	6	0	0	0	0	0	0	0
2021	12/30/2021	1	6	6	0	0	0	0	0	0	0
2021	12/31/2021	1	6	6	0	0	0	0	0	0	0
2022	1/1/2022	1	6	6	0	0	0	0	0	0	0
2022	1/2/2022	1	6	6	0	0	0	0	0	0	0
2022	1/3/2022	1	6	6	0	0	0	0	0	0	0
2022	1/4/2022	1	6	6	0	0	0	0	0	0	0
2022	1/5/2022	1	6	6	0	0	0	0	0	0	0
2022	1/6/2022	1	6	6	0	0	0	0	0	0	0
2022	1/7/2022	1	6	6	0	0	0	0	0	0	0
2022	1/8/2022	1	6	6	0	0	0	0	0	0	0
2022	1/9/2022	1	6	6	0	0	0	0	0	0	0
2022	1/10/2022	1	6	6	0	0	0	0	0	0	0
2022	1/11/2022	1	6	6	0	0	0	0	0	0	0
2022	1/12/2022	1	6	6	0	0	0	0	0	0	0
2022	1/13/2022	1	6	6	0	0	0	0	0	0	0
2022	1/14/2022	1	6	6	0	0	0	0	0	0	0
2022	1/15/2022	1	6	6	0	0	0	0	0	0	0
2022	1/16/2022	1	6	6	0	0	0	0	0	0	0
2022	1/17/2022	1	6	6	0	0	0	0	0	0	0
2022	1/18/2022	1	6	6	0	0	0	0	0	0	0
2022	1/19/2022	1	6	6	0	0	0	0	0	0	0
2022	1/20/2022	1	6	6	0	0	0	0	0	0	0
2022	1/21/2022	1	6	6	0	0	0	0	0	0	0
2022	1/22/2022	1	6	6	0	0	0	0	0	0	0
2022	1/23/2022	1	6	6	0	0	0	0	0	0	0
2022	1/24/2022	1	6	6	0	0	0	0	0	0	0
2022	1/25/2022	1	6	6	0	0	0	0	0	0	0
2022	1/26/2022	1	6	6	0	0	0	0	0	0	0
2022	1/27/2022	1	6	6	0	0	0	0	0	0	0
2022	1/28/2022	1	6	6	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2022	1/29/2022	1	6	6	0	0	0	0	0	0	0
2022	1/30/2022	1	6	6	0	0	0	0	0	0	0
2022	1/31/2022	1	6	6	0	0	0	0	0	0	0
2022	2/1/2022	1	6	6	0	0	0	0	0	0	0
2022	2/2/2022	1	6	6	0	0	0	0	0	0	0
2022	2/3/2022	1	6	6	0	0	0	0	0	0	0
2022	2/4/2022	1	6	6	0	0	0	0	0	0	0
2022	2/5/2022	1	6	6	0	0	0	0	0	0	0
2022	2/6/2022	1	6	6	0	0	0	0	0	0	0
2022	2/7/2022	1	6	6	0	0	0	0	0	0	0
2022	2/8/2022	1	6	6	0	0	0	0	0	0	0
2022	2/9/2022	1	6	6	0	0	0	0	0	0	0
2022	2/10/2022	1	6	6	0	0	0	0	0	0	0
2022	2/11/2022	1	6	6	0	0	0	0	0	0	0
2022	2/12/2022	1	6	6	0	0	0	0	0	0	0
2022	2/13/2022	1	6	6	0	0	0	0	0	0	0
2022	2/14/2022	1	6	6	0	0	0	0	0	0	0
2022	2/15/2022	1	6	6	0	0	0	0	0	0	0
2022	2/16/2022	1	6	6	0	0	0	0	0	0	0
2022	2/17/2022	1	6	6	0	0	0	0	0	0	0
2022	2/18/2022	1	6	6	0	0	0	0	0	0	0
2022	2/19/2022	1	6	6	0	0	0	0	0	0	0
2022	2/20/2022	1	6	6	0	0	0	0	0	0	0
2022	2/21/2022	1	6	6	0	0	0	0	0	0	0
2022	2/22/2022	1	6	6	0	0	0	0	0	0	0
2022	2/23/2022	1	6	6	0	0	0	0	0	0	0
2022	2/24/2022	0	0	0	0	0	0	0	0	0	0
2022	2/25/2022	0	0	0	0	0	0	0	0	0	0
2022	2/26/2022	0	0	0	0	0	0	0	0	0	0
2022	2/27/2022	0	0	0	0	0	0	0	0	0	0
2022	2/28/2022	0	0	0	0	0	0	0	0	0	0
2022	3/1/2022	1	6	6	0	0	0	0	0	0	0
2022	3/2/2022	1	6	6	0	0	0	0	0	0	0
2022	3/3/2022	1	6	6	0	0	0	0	0	0	0
2022	3/4/2022	1	6	6	0	0	0	0	0	0	0
2022	3/5/2022	1	6	6	0	0	0	0	0	0	0
2022	3/6/2022	1	6	6	0	0	0	0	0	0	0
2022	3/7/2022	1	6	6	0	0	0	0	0	0	0
2022	3/8/2022	1	6	6	0	0	0	0	0	0	0
2022	3/9/2022	1	6	6	0	0	0	0	0	0	0
2022	3/10/2022	1	6	6	0	0	0	0	0	0	0
2022	3/11/2022	1	6	6	0	0	0	0	0	0	0
2022	3/12/2022	1	6	6	0	0	0	0	0	0	0
2022	3/13/2022	1	6	6	0	0	0	0	0	0	0
2022	3/14/2022	1	6	6	0	0	0	0	0	0	0
2022	3/15/2022	1	6	6	0	0	0	0	0	0	0
2022	3/16/2022	1	6	6	0	0	0	0	0	0	0
2022	3/17/2022	1	6	6	0	0	0	0	0	0	0
2022	3/18/2022	1	6	6	0	0	0	0	0	0	0
2022	3/19/2022	1	6	6	0	0	0	0	0	0	0
2022	3/20/2022	1	6	6	0	0	0	0	0	0	0
2022	3/21/2022	1	6	6	0	0	0	0	0	0	0
2022	3/22/2022	2	12	12	1	0	1	1	0	1	0
2022	3/23/2022	1	6	6	0	0	0	0	0	0	0
2022	3/24/2022	1	6	6	0	0	0	0	0	0	0
2022	3/25/2022	1	6	6	0	0	0	0	0	0	0
2022	3/26/2022	1	6	6	0	0	0	0	0	0	0
2022	3/27/2022	1	6	6	0	0	0	0	0	0	0
2022	3/28/2022	1	6	6	0	0	0	0	0	0	0
2022	3/29/2022	1	6	6	0	0	0	0	0	0	0
2022	3/30/2022	1	6	6	0	0	0	0	0	0	0
2022	3/31/2022	1	6	6	0	0	0	0	0	0	0
2022	4/1/2022	1	6	6	0	0	0	0	0	0	0
2022	4/2/2022	1	6	6	0	0	0	0	0	0	0
2022	4/3/2022	1	6	6	0	0	0	0	0	0	0
2022	4/4/2022	1	6	6	0	0	0	0	0	0	0
2022	4/5/2022	1	6	6	0	0	0	0	0	0	0
2022	4/6/2022	1	6	6	0	0	0	0	0	0	0
2022	4/7/2022	1	6	6	0	0	0	0	0	0	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2022	4/8/2022	1	6	6	0	0	0	0	0	0	0
2022	4/9/2022	1	6	6	0	0	0	0	0	0	0
2022	4/10/2022	1	6	6	0	0	0	0	0	0	0
2022	4/11/2022	1	6	6	0	0	0	0	0	0	0
2022	4/12/2022	1	6	6	0	0	0	0	0	0	0
2022	4/13/2022	1	6	6	0	0	0	0	0	0	0
2022	4/14/2022	1	6	6	0	0	0	0	0	0	0
2022	4/15/2022	1	6	6	0	0	0	0	0	0	0
2022	4/16/2022	1	6	6	0	0	0	0	0	0	0
2022	4/17/2022	1	6	6	0	0	0	0	0	0	0
2022	4/18/2022	1	6	6	0	0	0	0	0	0	0
2022	4/19/2022	1	6	6	0	0	0	0	0	0	0
2022	4/20/2022	1	6	6	0	0	0	0	0	0	0
2022	4/21/2022	1	6	6	0	0	0	0	0	0	0
2022	4/22/2022	1	6	6	0	0	0	0	0	0	0
2022	4/23/2022	1	6	6	0	0	0	0	0	0	0
2022	4/24/2022	1	6	6	0	0	0	0	0	0	0
2022	4/25/2022	1	6	6	0	0	0	0	0	0	0
2022	4/26/2022	1	6	6	0	0	0	0	0	0	0
2022	4/27/2022	1	6	6	0	0	0	0	0	0	0
2022	4/28/2022	1	6	6	0	0	0	0	0	0	0
2022	4/29/2022	1	6	6	0	0	0	0	0	0	0
2022	4/30/2022	1	6	6	0	0	0	0	0	0	0
2022	5/1/2022	1	6	6	0	0	0	0	0	0	0
2022	5/2/2022	1	6	6	0	0	0	0	0	0	0
2022	5/3/2022	1	6	6	0	0	0	0	0	0	0
2022	5/4/2022	1	6	6	0	0	0	0	0	0	0
2022	5/5/2022	1	6	6	0	0	0	0	0	0	0
2022	5/6/2022	1	6	6	0	0	0	0	0	0	0
2022	5/7/2022	1	6	6	0	0	0	0	0	0	0
2022	5/8/2022	1	6	6	0	0	0	0	0	0	0
2022	5/9/2022	1	6	6	0	0	0	0	0	0	0
2022	5/10/2022	1	6	6	0	0	0	0	0	0	0
2022	5/11/2022	1	6	6	0	0	0	0	0	0	0
2022	5/12/2022	1	6	6	0	0	0	0	0	0	0
2022	5/13/2022	1	6	6	0	0	0	0	0	0	0
2022	5/14/2022	1	6	6	0	0	0	0	0	0	0
2022	5/15/2022	1	6	6	0	0	0	0	0	0	0
2022	5/16/2022	1	6	6	0	0	0	0	0	0	0
2022	5/17/2022	1	6	6	0	0	0	0	0	0	0
2022	5/18/2022	1	6	6	0	0	0	0	0	0	0
2022	5/19/2022	1	6	6	0	0	0	0	0	0	0
2022	5/20/2022	1	6	6	0	0	0	0	0	0	0
2022	5/21/2022	1	6	6	0	0	0	0	0	0	0
2022	5/22/2022	1	6	6	0	0	0	0	0	0	0
2022	5/23/2022	1	6	6	0	0	0	0	0	0	0
2022	5/24/2022	1	6	6	0	0	0	0	0	0	0
2022	5/25/2022	1	6	6	0	0	0	0	0	0	0
2022	5/26/2022	1	6	6	0	0	0	0	0	0	0
2022	5/27/2022	1	6	6	0	0	0	0	0	0	0
2022	5/28/2022	1	6	6	0	0	0	0	0	0	0
2022	5/29/2022	1	6	6	0	0	0	0	0	0	0
2022	5/30/2022	1	6	6	0	0	0	0	0	0	0
2022	5/31/2022	1	6	6	0	0	0	0	0	0	0
2022	6/1/2022	4	32	24	1	0	1	1	0	1	0
2022	6/2/2022	4	32	24	1	0	1	1	0	1	0
2022	6/3/2022	4	32	24	1	0	1	1	0	1	0
2022	6/4/2022	4	32	24	1	0	1	1	0	1	0
2022	6/5/2022	4	32	24	1	0	1	1	0	1	0
2022	6/6/2022	4	32	24	1	0	1	1	0	1	0
2022	6/7/2022	4	32	24	1	0	1	1	0	1	0
2022	6/8/2022	4	32	24	1	0	1	1	0	1	0
2022	6/9/2022	4	32	24	1	0	1	1	0	1	0
2022	6/10/2022	4	32	24	1	0	1	1	0	1	0
2022	6/11/2022	4	32	24	1	0	1	1	0	1	0
2022	6/12/2022	4	32	24	1	0	1	1	0	1	0
2022	6/13/2022	4	32	24	1	0	1	1	0	1	0
2022	6/14/2022	4	32	24	1	0	1	1	0	1	0
2022	6/15/2022	4	32	24	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2022	6/16/2022	4	32	24	1	0	1	1	0	1	0
2022	6/17/2022	4	32	24	1	0	1	1	0	1	0
2022	6/18/2022	4	32	24	1	0	1	1	0	1	0
2022	6/19/2022	4	32	24	1	0	1	1	0	1	0
2022	6/20/2022	4	32	24	1	0	1	1	0	1	0
2022	6/21/2022	4	32	24	1	0	1	1	0	1	0
2022	6/22/2022	4	32	24	1	0	1	1	0	1	0
2022	6/23/2022	4	32	24	1	0	1	1	0	1	0
2022	6/24/2022	4	32	24	1	0	1	1	0	1	0
2022	6/25/2022	4	32	24	1	0	1	1	0	1	0
2022	6/26/2022	4	32	24	1	0	1	1	0	1	0
2022	6/27/2022	4	32	24	1	0	1	1	0	1	0
2022	6/28/2022	4	32	24	1	0	1	1	0	1	0
2022	6/29/2022	4	32	24	1	0	1	1	0	1	0
2022	6/30/2022	4	32	24	1	0	1	1	0	1	0
2022	7/1/2022	4	32	24	1	0	1	1	0	1	0
2022	7/2/2022	4	32	24	1	0	1	1	0	1	0
2022	7/3/2022	4	32	24	1	0	1	1	0	1	0
2022	7/4/2022	4	32	24	1	0	1	1	0	1	0
2022	7/5/2022	4	32	24	1	0	1	1	0	1	0
2022	7/6/2022	4	32	24	1	0	1	1	0	1	0
2022	7/7/2022	4	32	24	1	0	1	1	0	1	0
2022	7/8/2022	4	32	24	1	0	1	1	0	1	0
2022	7/9/2022	4	32	24	1	0	1	1	0	1	0
2022	7/10/2022	4	32	24	1	0	1	1	0	1	0
2022	7/11/2022	4	32	24	1	0	1	1	0	1	0
2022	7/12/2022	4	32	24	1	0	1	1	0	1	0
2022	7/13/2022	4	32	24	1	0	1	1	0	1	0
2022	7/14/2022	4	32	24	1	0	1	1	0	1	0
2022	7/15/2022	4	32	24	1	0	1	1	0	1	0
2022	7/16/2022	4	32	24	1	0	1	1	0	1	0
2022	7/17/2022	4	32	24	1	0	1	1	0	1	0
2022	7/18/2022	4	32	24	1	0	1	1	0	1	0
2022	7/19/2022	4	32	24	1	0	1	1	0	1	0
2022	7/20/2022	4	32	24	1	0	1	1	0	1	0
2022	7/21/2022	4	32	24	1	0	1	1	0	1	0
2022	7/22/2022	4	32	24	1	0	1	1	0	1	0
2022	7/23/2022	4	32	24	1	0	1	1	0	1	0
2022	7/24/2022	4	32	24	1	0	1	1	0	1	0
2022	7/25/2022	4	32	24	1	0	1	1	0	1	0
2022	7/26/2022	4	32	24	1	0	1	1	0	1	0
2022	7/27/2022	4	32	24	1	0	1	1	0	1	0
2022	7/28/2022	4	32	24	1	0	1	1	0	1	0
2022	7/29/2022	4	32	24	1	0	1	1	0	1	0
2022	7/30/2022	4	32	24	1	0	1	1	0	1	0
2022	7/31/2022	4	32	24	1	0	1	1	0	1	0
2022	8/1/2022	4	32	24	1	0	1	1	0	1	0
2022	8/2/2022	4	32	24	1	0	1	1	0	1	0
2022	8/3/2022	4	32	24	1	0	1	1	0	1	0
2022	8/4/2022	4	32	24	1	0	1	1	0	1	0
2022	8/5/2022	4	32	24	1	0	1	1	0	1	0
2022	8/6/2022	4	32	24	1	0	1	1	0	1	0
2022	8/7/2022	4	32	24	1	0	1	1	0	1	0
2022	8/8/2022	4	32	24	1	0	1	1	0	1	0
2022	8/9/2022	4	32	24	1	0	1	1	0	1	0
2022	8/10/2022	2	13	9	1	0	1	1	0	1	0
2022	8/11/2022	2	13	9	1	0	1	1	0	1	0
2022	8/12/2022	2	13	9	1	0	1	1	0	1	0
2022	8/13/2022	2	13	9	1	0	1	1	0	1	0
2022	8/14/2022	1	12	8	1	0	1	1	0	1	0
2022	8/15/2022	1	12	8	1	0	1	1	0	1	0
2022	8/16/2022	1	12	8	1	0	1	1	0	1	0
2022	8/17/2022	1	12	8	1	0	1	1	0	1	0
2022	8/18/2022	1	12	8	1	0	1	1	0	1	0
2022	8/19/2022	1	12	8	1	0	1	1	0	1	0
2022	8/20/2022	1	12	8	1	0	1	1	0	1	0
2022	8/21/2022	1	12	8	1	0	1	1	0	1	0
2022	8/22/2022	1	12	8	1	0	1	1	0	1	0
2022	8/23/2022	1	12	8	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2022	8/24/2022	1	12	8	1	0	1	1	0	1	0
2022	8/25/2022	1	12	8	1	0	1	1	0	1	0
2022	8/26/2022	1	12	8	1	0	1	1	0	1	0
2022	8/27/2022	1	12	8	1	0	1	1	0	1	0
2022	8/28/2022	1	12	8	1	0	1	1	0	1	0
2022	8/29/2022	1	12	8	1	0	1	1	0	1	0
2022	8/30/2022	1	12	8	1	0	1	1	0	1	0
2022	8/31/2022	1	12	8	1	0	1	1	0	1	0
2022	9/1/2022	1	12	8	1	0	1	1	0	1	0
2022	9/2/2022	1	12	8	1	0	1	1	0	1	0
2022	9/3/2022	1	12	8	1	0	1	1	0	1	0
2022	9/4/2022	1	12	8	1	0	1	1	0	1	0
2022	9/5/2022	1	12	8	1	0	1	1	0	1	0
2022	9/6/2022	1	12	8	1	0	1	1	0	1	0
2022	9/7/2022	1	12	8	1	0	1	1	0	1	0
2022	9/8/2022	1	12	8	1	0	1	1	0	1	0
2022	9/9/2022	1	12	8	1	0	1	1	0	1	0
2022	9/10/2022	1	12	8	1	0	1	1	0	1	0
2022	9/11/2022	1	12	8	1	0	1	1	0	1	0
2022	9/12/2022	1	12	8	1	0	1	1	0	1	0
2022	9/13/2022	1	12	8	1	0	1	1	0	1	0
2022	9/14/2022	1	12	8	1	0	1	1	0	1	0
2022	9/15/2022	1	12	8	1	0	1	1	0	1	0
2022	9/16/2022	1	12	8	1	0	1	1	0	1	0
2022	9/17/2022	1	12	8	1	0	1	1	0	1	0
2022	9/18/2022	1	12	8	1	0	1	1	0	1	0
2022	9/19/2022	1	12	8	1	0	1	1	0	1	0
2022	9/20/2022	1	12	8	1	0	1	1	0	1	0
2022	9/21/2022	1	12	8	1	0	1	1	0	1	0
2022	9/22/2022	1	12	8	1	0	1	1	0	1	0
2022	9/23/2022	0	0	0	0	0	0	0	0	0	0
2022	9/24/2022	0	0	0	0	0	0	0	0	0	0
2022	9/25/2022	0	0	0	0	0	0	0	0	0	0
2022	9/26/2022	0	0	0	0	0	0	0	0	0	0
2022	9/27/2022	0	0	0	0	0	0	0	0	0	0
2022	9/28/2022	0	0	0	0	0	0	0	0	0	0
2022	9/29/2022	0	0	0	0	0	0	0	0	0	0
2022	9/30/2022	0	0	0	0	0	0	0	0	0	0
2022	10/1/2022	0	0	0	0	0	0	0	0	0	0
2022	10/2/2022	0	0	0	0	0	0	0	0	0	0
2022	10/3/2022	0	0	0	0	0	0	0	0	0	0
2022	10/4/2022	0	0	0	0	0	0	0	0	0	0
2022	10/5/2022	0	0	0	0	0	0	0	0	0	0
2022	10/6/2022	0	0	0	0	0	0	0	0	0	0
2022	10/7/2022	0	0	0	0	0	0	0	0	0	0
2022	10/8/2022	0	0	0	0	0	0	0	0	0	0
2022	10/9/2022	0	0	0	0	0	0	0	0	0	0
2022	10/10/2022	0	0	0	0	0	0	0	0	0	0
2022	10/11/2022	0	0	0	0	0	0	0	0	0	0
2022	10/12/2022	0	0	0	0	0	0	0	0	0	0
2022	10/13/2022	0	0	0	0	0	0	0	0	0	0
2022	10/14/2022	2	14	13	1	0	1	1	0	1	0
2022	10/15/2022	2	14	13	1	0	1	1	0	1	0
2022	10/16/2022	2	14	13	1	0	1	1	0	1	0
2022	10/17/2022	2	14	13	1	0	1	1	0	1	0
2022	10/18/2022	2	14	13	1	0	1	1	0	1	0
2022	10/19/2022	2	14	13	1	0	1	1	0	1	0
2022	10/20/2022	2	14	13	1	0	1	1	0	1	0
2022	10/21/2022	10	30	26	2	0	2	2	0	2	0
2022	10/22/2022	8	16	14	1	0	1	1	0	1	0
2022	10/23/2022	8	16	14	1	0	1	1	0	1	0
2022	10/24/2022	8	16	14	1	0	1	1	0	1	0
2022	10/25/2022	8	16	14	1	0	1	1	0	1	0
2022	10/26/2022	8	16	14	1	0	1	1	0	1	0
2022	10/27/2022	8	16	14	1	0	1	1	0	1	0
2022	10/28/2022	8	16	14	1	0	1	1	0	1	0
2022	10/29/2022	8	16	14	1	0	1	1	0	1	0
2022	10/30/2022	8	16	14	1	0	1	1	0	1	0
2022	10/31/2022	8	16	14	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
MAX:		27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2022	11/1/2022	8	16	14	1	0	1	1	0	1	0
2022	11/2/2022	8	16	14	1	0	1	1	0	1	0
2022	11/3/2022	8	16	14	1	0	1	1	0	1	0
2022	11/4/2022	8	16	14	1	0	1	1	0	1	0
2022	11/5/2022	8	16	14	1	0	1	1	0	1	0
2022	11/6/2022	8	16	14	1	0	1	1	0	1	0
2022	11/7/2022	8	16	14	1	0	1	1	0	1	0
2022	11/8/2022	8	16	14	1	0	1	1	0	1	0
2022	11/9/2022	8	16	14	1	0	1	1	0	1	0
2022	11/10/2022	8	16	14	1	0	1	1	0	1	0
2022	11/11/2022	8	16	14	1	0	1	1	0	1	0
2022	11/12/2022	8	16	14	1	0	1	1	0	1	0
2022	11/13/2022	8	16	14	1	0	1	1	0	1	0
2022	11/14/2022	8	16	14	1	0	1	1	0	1	0
2022	11/15/2022	8	16	14	1	0	1	1	0	1	0
2022	11/16/2022	8	16	14	1	0	1	1	0	1	0
2022	11/17/2022	8	16	14	1	0	1	1	0	1	0
2022	11/18/2022	8	16	14	1	0	1	1	0	1	0
2022	11/19/2022	8	16	14	1	0	1	1	0	1	0
2022	11/20/2022	8	16	14	1	0	1	1	0	1	0
2022	11/21/2022	8	16	14	1	0	1	1	0	1	0
2022	11/22/2022	8	16	14	1	0	1	1	0	1	0
2022	11/23/2022	8	16	14	1	0	1	1	0	1	0
2022	11/24/2022	8	16	14	1	0	1	1	0	1	0
2022	11/25/2022	8	16	14	1	0	1	1	0	1	0
2022	11/26/2022	8	16	14	1	0	1	1	0	1	0
2022	11/27/2022	8	16	14	1	0	1	1	0	1	0
2022	11/28/2022	8	16	14	1	0	1	1	0	1	0
2022	11/29/2022	8	16	14	1	0	1	1	0	1	0
2022	11/30/2022	8	16	14	1	0	1	1	0	1	0
2022	12/1/2022	8	16	14	1	0	1	1	0	1	0
2022	12/2/2022	8	16	14	1	0	1	1	0	1	0
2022	12/3/2022	8	16	14	1	0	1	1	0	1	0
2022	12/4/2022	8	16	14	1	0	1	1	0	1	0
2022	12/5/2022	8	16	14	1	0	1	1	0	1	0
2022	12/6/2022	8	16	14	1	0	1	1	0	1	0
2022	12/7/2022	8	16	14	1	0	1	1	0	1	0
2022	12/8/2022	8	16	14	1	0	1	1	0	1	0
2022	12/9/2022	8	16	14	1	0	1	1	0	1	0
2022	12/10/2022	8	16	14	1	0	1	1	0	1	0
2022	12/11/2022	8	16	14	1	0	1	1	0	1	0
2022	12/12/2022	8	16	14	1	0	1	1	0	1	0
2022	12/13/2022	8	16	14	1	0	1	1	0	1	0
2022	12/14/2022	8	16	14	1	0	1	1	0	1	0
2022	12/15/2022	8	16	14	1	0	1	1	0	1	0
2022	12/16/2022	8	16	14	1	0	1	1	0	1	0
2022	12/17/2022	8	16	14	1	0	1	1	0	1	0
2022	12/18/2022	8	16	14	1	0	1	1	0	1	0
2022	12/19/2022	8	16	14	1	0	1	1	0	1	0
2022	12/20/2022	8	16	14	1	0	1	1	0	1	0
2022	12/21/2022	8	16	14	1	0	1	1	0	1	0
2022	12/22/2022	8	16	14	1	0	1	1	0	1	0
2022	12/23/2022	8	16	14	1	0	1	1	0	1	0
2022	12/24/2022	8	16	14	1	0	1	1	0	1	0
2022	12/25/2022	8	16	14	1	0	1	1	0	1	0
2022	12/26/2022	8	16	14	1	0	1	1	0	1	0
2022	12/27/2022	8	16	14	1	0	1	1	0	1	0
2022	12/28/2022	8	16	14	1	0	1	1	0	1	0
2022	12/29/2022	8	16	14	1	0	1	1	0	1	0
2022	12/30/2022	8	16	14	1	0	1	1	0	1	0
2022	12/31/2022	8	16	14	1	0	1	1	0	1	0
2023	1/1/2023	8	15	13	1	0	1	1	0	1	0
2023	1/2/2023	8	15	13	1	0	1	1	0	1	0
2023	1/3/2023	8	15	13	1	0	1	1	0	1	0
2023	1/4/2023	8	15	13	1	0	1	1	0	1	0
2023	1/5/2023	8	15	13	1	0	1	1	0	1	0
2023	1/6/2023	8	15	13	1	0	1	1	0	1	0
2023	1/7/2023	8	15	13	1	0	1	1	0	1	0
2023	1/8/2023	8	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2023	1/9/2023	8	15	13	1	0	1	1	0	1	0
2023	1/10/2023	8	15	13	1	0	1	1	0	1	0
2023	1/11/2023	8	15	13	1	0	1	1	0	1	0
2023	1/12/2023	8	15	13	1	0	1	1	0	1	0
2023	1/13/2023	8	15	13	1	0	1	1	0	1	0
2023	1/14/2023	8	15	13	1	0	1	1	0	1	0
2023	1/15/2023	8	15	13	1	0	1	1	0	1	0
2023	1/16/2023	8	15	13	1	0	1	1	0	1	0
2023	1/17/2023	8	15	13	1	0	1	1	0	1	0
2023	1/18/2023	8	15	13	1	0	1	1	0	1	0
2023	1/19/2023	8	15	13	1	0	1	1	0	1	0
2023	1/20/2023	8	15	13	1	0	1	1	0	1	0
2023	1/21/2023	8	15	13	1	0	1	1	0	1	0
2023	1/22/2023	8	15	13	1	0	1	1	0	1	0
2023	1/23/2023	8	15	13	1	0	1	1	0	1	0
2023	1/24/2023	8	15	13	1	0	1	1	0	1	0
2023	1/25/2023	8	15	13	1	0	1	1	0	1	0
2023	1/26/2023	8	15	13	1	0	1	1	0	1	0
2023	1/27/2023	8	15	13	1	0	1	1	0	1	0
2023	1/28/2023	8	15	13	1	0	1	1	0	1	0
2023	1/29/2023	8	15	13	1	0	1	1	0	1	0
2023	1/30/2023	8	15	13	1	0	1	1	0	1	0
2023	1/31/2023	8	15	13	1	0	1	1	0	1	0
2023	2/1/2023	8	15	13	1	0	1	1	0	1	0
2023	2/2/2023	8	15	13	1	0	1	1	0	1	0
2023	2/3/2023	8	15	13	1	0	1	1	0	1	0
2023	2/4/2023	8	15	13	1	0	1	1	0	1	0
2023	2/5/2023	8	15	13	1	0	1	1	0	1	0
2023	2/6/2023	8	15	13	1	0	1	1	0	1	0
2023	2/7/2023	8	15	13	1	0	1	1	0	1	0
2023	2/8/2023	8	15	13	1	0	1	1	0	1	0
2023	2/9/2023	8	15	13	1	0	1	1	0	1	0
2023	2/10/2023	8	15	13	1	0	1	1	0	1	0
2023	2/11/2023	8	15	13	1	0	1	1	0	1	0
2023	2/12/2023	8	15	13	1	0	1	1	0	1	0
2023	2/13/2023	8	15	13	1	0	1	1	0	1	0
2023	2/14/2023	8	15	13	1	0	1	1	0	1	0
2023	2/15/2023	8	15	13	1	0	1	1	0	1	0
2023	2/16/2023	8	15	13	1	0	1	1	0	1	0
2023	2/17/2023	8	15	13	1	0	1	1	0	1	0
2023	2/18/2023	8	15	13	1	0	1	1	0	1	0
2023	2/19/2023	8	15	13	1	0	1	1	0	1	0
2023	2/20/2023	8	15	13	1	0	1	1	0	1	0
2023	2/21/2023	8	15	13	1	0	1	1	0	1	0
2023	2/22/2023	8	15	13	1	0	1	1	0	1	0
2023	2/23/2023	8	15	13	1	0	1	1	0	1	0
2023	2/24/2023	8	15	13	1	0	1	1	0	1	0
2023	2/25/2023	8	15	13	1	0	1	1	0	1	0
2023	2/26/2023	8	15	13	1	0	1	1	0	1	0
2023	2/27/2023	8	15	13	1	0	1	1	0	1	0
2023	2/28/2023	8	15	13	1	0	1	1	0	1	0
2023	3/1/2023	8	15	13	1	0	1	1	0	1	0
2023	3/2/2023	8	15	13	1	0	1	1	0	1	0
2023	3/3/2023	8	15	13	1	0	1	1	0	1	0
2023	3/4/2023	8	15	13	1	0	1	1	0	1	0
2023	3/5/2023	8	15	13	1	0	1	1	0	1	0
2023	3/6/2023	8	15	13	1	0	1	1	0	1	0
2023	3/7/2023	8	15	13	1	0	1	1	0	1	0
2023	3/8/2023	8	15	13	1	0	1	1	0	1	0
2023	3/9/2023	8	15	13	1	0	1	1	0	1	0
2023	3/10/2023	8	15	13	1	0	1	1	0	1	0
2023	3/11/2023	8	15	13	1	0	1	1	0	1	0
2023	3/12/2023	8	15	13	1	0	1	1	0	1	0
2023	3/13/2023	8	15	13	1	0	1	1	0	1	0
2023	3/14/2023	8	15	13	1	0	1	1	0	1	0
2023	3/15/2023	8	15	13	1	0	1	1	0	1	0
2023	3/16/2023	8	15	13	1	0	1	1	0	1	0
2023	3/17/2023	8	15	13	1	0	1	1	0	1	0
2023	3/18/2023	8	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2023	3/19/2023	8	15	13	1	0	1	1	0	1	0
2023	3/20/2023	8	15	13	1	0	1	1	0	1	0
2023	3/21/2023	8	15	13	1	0	1	1	0	1	0
2023	3/22/2023	8	15	13	1	0	1	1	0	1	0
2023	3/23/2023	8	15	13	1	0	1	1	0	1	0
2023	3/24/2023	8	15	13	1	0	1	1	0	1	0
2023	3/25/2023	8	15	13	1	0	1	1	0	1	0
2023	3/26/2023	8	15	13	1	0	1	1	0	1	0
2023	3/27/2023	8	15	13	1	0	1	1	0	1	0
2023	3/28/2023	8	15	13	1	0	1	1	0	1	0
2023	3/29/2023	8	15	13	1	0	1	1	0	1	0
2023	3/30/2023	8	15	13	1	0	1	1	0	1	0
2023	3/31/2023	8	15	13	1	0	1	1	0	1	0
2023	4/1/2023	8	15	13	1	0	1	1	0	1	0
2023	4/2/2023	8	15	13	1	0	1	1	0	1	0
2023	4/3/2023	8	15	13	1	0	1	1	0	1	0
2023	4/4/2023	8	15	13	1	0	1	1	0	1	0
2023	4/5/2023	8	15	13	1	0	1	1	0	1	0
2023	4/6/2023	8	15	13	1	0	1	1	0	1	0
2023	4/7/2023	8	15	13	1	0	1	1	0	1	0
2023	4/8/2023	8	15	13	1	0	1	1	0	1	0
2023	4/9/2023	8	15	13	1	0	1	1	0	1	0
2023	4/10/2023	8	15	13	1	0	1	1	0	1	0
2023	4/11/2023	8	15	13	1	0	1	1	0	1	0
2023	4/12/2023	8	15	13	1	0	1	1	0	1	0
2023	4/13/2023	8	15	13	1	0	1	1	0	1	0
2023	4/14/2023	8	15	13	1	0	1	1	0	1	0
2023	4/15/2023	8	15	13	1	0	1	1	0	1	0
2023	4/16/2023	8	15	13	1	0	1	1	0	1	0
2023	4/17/2023	8	15	13	1	0	1	1	0	1	0
2023	4/18/2023	8	15	13	1	0	1	1	0	1	0
2023	4/19/2023	8	15	13	1	0	1	1	0	1	0
2023	4/20/2023	8	15	13	1	0	1	1	0	1	0
2023	4/21/2023	8	15	13	1	0	1	1	0	1	0
2023	4/22/2023	8	15	13	1	0	1	1	0	1	0
2023	4/23/2023	8	15	13	1	0	1	1	0	1	0
2023	4/24/2023	8	15	13	1	0	1	1	0	1	0
2023	4/25/2023	8	15	13	1	0	1	1	0	1	0
2023	4/26/2023	8	15	13	1	0	1	1	0	1	0
2023	4/27/2023	8	15	13	1	0	1	1	0	1	0
2023	4/28/2023	8	15	13	1	0	1	1	0	1	0
2023	4/29/2023	8	15	13	1	0	1	1	0	1	0
2023	4/30/2023	8	15	13	1	0	1	1	0	1	0
2023	5/1/2023	8	15	13	1	0	1	1	0	1	0
2023	5/2/2023	8	15	13	1	0	1	1	0	1	0
2023	5/3/2023	8	15	13	1	0	1	1	0	1	0
2023	5/4/2023	8	15	13	1	0	1	1	0	1	0
2023	5/5/2023	8	15	13	1	0	1	1	0	1	0
2023	5/6/2023	8	15	13	1	0	1	1	0	1	0
2023	5/7/2023	8	15	13	1	0	1	1	0	1	0
2023	5/8/2023	8	15	13	1	0	1	1	0	1	0
2023	5/9/2023	8	15	13	1	0	1	1	0	1	0
2023	5/10/2023	8	15	13	1	0	1	1	0	1	0
2023	5/11/2023	8	15	13	1	0	1	1	0	1	0
2023	5/12/2023	8	15	13	1	0	1	1	0	1	0
2023	5/13/2023	8	15	13	1	0	1	1	0	1	0
2023	5/14/2023	8	15	13	1	0	1	1	0	1	0
2023	5/15/2023	8	15	13	1	0	1	1	0	1	0
2023	5/16/2023	8	15	13	1	0	1	1	0	1	0
2023	5/17/2023	8	15	13	1	0	1	1	0	1	0
2023	5/18/2023	8	15	13	1	0	1	1	0	1	0
2023	5/19/2023	8	15	13	1	0	1	1	0	1	0
2023	5/20/2023	8	15	13	1	0	1	1	0	1	0
2023	5/21/2023	8	15	13	1	0	1	1	0	1	0
2023	5/22/2023	8	15	13	1	0	1	1	0	1	0
2023	5/23/2023	8	15	13	1	0	1	1	0	1	0
2023	5/24/2023	8	15	13	1	0	1	1	0	1	0
2023	5/25/2023	8	15	13	1	0	1	1	0	1	0
2023	5/26/2023	8	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)										
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	
2023	5/27/2023	8	15	13	1	0	1	1	0	1	0	
2023	5/28/2023	8	15	13	1	0	1	1	0	1	0	
2023	5/29/2023	8	15	13	1	0	1	1	0	1	0	
2023	5/30/2023	8	15	13	1	0	1	1	0	1	0	
2023	5/31/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/1/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/2/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/3/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/4/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/5/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/6/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/7/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/8/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/9/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/10/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/11/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/12/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/13/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/14/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/15/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/16/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/17/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/18/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/19/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/20/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/21/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/22/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/23/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/24/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/25/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/26/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/27/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/28/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/29/2023	8	15	13	1	0	1	1	0	1	0	
2023	6/30/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/1/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/2/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/3/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/4/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/5/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/6/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/7/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/8/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/9/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/10/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/11/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/12/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/13/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/14/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/15/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/16/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/17/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/18/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/19/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/20/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/21/2023	8	15	13	1	0	1	1	0	1	0	
2023	7/22/2023	0	0	0	0	0	0	0	0	0	0	
2023	7/23/2023	0	0	0	0	0	0	0	0	0	0	
2023	7/24/2023	0	0	0	0	0	0	0	0	0	0	
2023	7/25/2023	0	0	0	0	0	0	0	0	0	0	
2023	7/26/2023	0	0	0	0	0	0	0	0	0	0	
2023	7/27/2023	0	0	0	0	0	0	0	0	0	0	
2023	7/28/2023	0	0	0	0	0	0	0	0	0	0	
2023	7/29/2023	0	0	0	0	0	0	0	0	0	0	
2023	7/30/2023	0	0	0	0	0	0	0	0	0	0	
2023	7/31/2023	0	0	0	0	0	0	0	0	0	0	
2023	8/1/2023	2	13	13	1	0	1	1	0	1	0	
2023	8/2/2023	2	13	13	1	0	1	1	0	1	0	
2023	8/3/2023	2	13	13	1	0	1	1	0	1	0	

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2023	8/4/2023	2	13	13	1	0	1	1	0	1	0
2023	8/5/2023	2	13	13	1	0	1	1	0	1	0
2023	8/6/2023	2	13	13	1	0	1	1	0	1	0
2023	8/7/2023	2	13	13	1	0	1	1	0	1	0
2023	8/8/2023	2	13	13	1	0	1	1	0	1	0
2023	8/9/2023	2	13	13	1	0	1	1	0	1	0
2023	8/10/2023	2	13	13	1	0	1	1	0	1	0
2023	8/11/2023	2	13	13	1	0	1	1	0	1	0
2023	8/12/2023	2	13	13	1	0	1	1	0	1	0
2023	8/13/2023	2	13	13	1	0	1	1	0	1	0
2023	8/14/2023	2	13	13	1	0	1	1	0	1	0
2023	8/15/2023	2	13	13	1	0	1	1	0	1	0
2023	8/16/2023	2	13	13	1	0	1	1	0	1	0
2023	8/17/2023	2	13	13	1	0	1	1	0	1	0
2023	8/18/2023	2	13	13	1	0	1	1	0	1	0
2023	8/19/2023	2	13	13	1	0	1	1	0	1	0
2023	8/20/2023	2	13	13	1	0	1	1	0	1	0
2023	8/21/2023	2	13	13	1	0	1	1	0	1	0
2023	8/22/2023	2	13	13	1	0	1	1	0	1	0
2023	8/23/2023	2	13	13	1	0	1	1	0	1	0
2023	8/24/2023	2	13	13	1	0	1	1	0	1	0
2023	8/25/2023	2	13	13	1	0	1	1	0	1	0
2023	8/26/2023	2	13	13	1	0	1	1	0	1	0
2023	8/27/2023	2	13	13	1	0	1	1	0	1	0
2023	8/28/2023	2	13	13	1	0	1	1	0	1	0
2023	8/29/2023	2	13	13	1	0	1	1	0	1	0
2023	8/30/2023	2	13	13	1	0	1	1	0	1	0
2023	8/31/2023	2	13	13	1	0	1	1	0	1	0
2023	9/1/2023	2	13	13	1	0	1	1	0	1	0
2023	9/2/2023	2	13	13	1	0	1	1	0	1	0
2023	9/3/2023	2	13	13	1	0	1	1	0	1	0
2023	9/4/2023	2	13	13	1	0	1	1	0	1	0
2023	9/5/2023	2	13	13	1	0	1	1	0	1	0
2023	9/6/2023	2	13	13	1	0	1	1	0	1	0
2023	9/7/2023	2	13	13	1	0	1	1	0	1	0
2023	9/8/2023	2	13	13	1	0	1	1	0	1	0
2023	9/9/2023	2	13	13	1	0	1	1	0	1	0
2023	9/10/2023	2	13	13	1	0	1	1	0	1	0
2023	9/11/2023	2	13	13	1	0	1	1	0	1	0
2023	9/12/2023	4	27	25	1	0	2	1	0	1	0
2023	9/13/2023	2	15	13	1	0	1	1	0	1	0
2023	9/14/2023	2	15	13	1	0	1	1	0	1	0
2023	9/15/2023	2	15	13	1	0	1	1	0	1	0
2023	9/16/2023	2	15	13	1	0	1	1	0	1	0
2023	9/17/2023	2	15	13	1	0	1	1	0	1	0
2023	9/18/2023	2	15	13	1	0	1	1	0	1	0
2023	9/19/2023	2	15	13	1	0	1	1	0	1	0
2023	9/20/2023	2	15	13	1	0	1	1	0	1	0
2023	9/21/2023	2	15	13	1	0	1	1	0	1	0
2023	9/22/2023	2	15	13	1	0	1	1	0	1	0
2023	9/23/2023	2	15	13	1	0	1	1	0	1	0
2023	9/24/2023	2	15	13	1	0	1	1	0	1	0
2023	9/25/2023	2	15	13	1	0	1	1	0	1	0
2023	9/26/2023	2	15	13	1	0	1	1	0	1	0
2023	9/27/2023	2	15	13	1	0	1	1	0	1	0
2023	9/28/2023	2	15	13	1	0	1	1	0	1	0
2023	9/29/2023	2	15	13	1	0	1	1	0	1	0
2023	9/30/2023	2	15	13	1	0	1	1	0	1	0
2023	10/1/2023	2	15	13	1	0	1	1	0	1	0
2023	10/2/2023	2	15	13	1	0	1	1	0	1	0
2023	10/3/2023	2	15	13	1	0	1	1	0	1	0
2023	10/4/2023	2	15	13	1	0	1	1	0	1	0
2023	10/5/2023	2	15	13	1	0	1	1	0	1	0
2023	10/6/2023	2	15	13	1	0	1	1	0	1	0
2023	10/7/2023	2	15	13	1	0	1	1	0	1	0
2023	10/8/2023	2	15	13	1	0	1	1	0	1	0
2023	10/9/2023	2	15	13	1	0	1	1	0	1	0
2023	10/10/2023	2	15	13	1	0	1	1	0	1	0
2023	10/11/2023	2	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2023	10/12/2023	2	15	13	1	0	1	1	0	1	0
2023	10/13/2023	2	15	13	1	0	1	1	0	1	0
2023	10/14/2023	2	15	13	1	0	1	1	0	1	0
2023	10/15/2023	2	15	13	1	0	1	1	0	1	0
2023	10/16/2023	2	15	13	1	0	1	1	0	1	0
2023	10/17/2023	2	15	13	1	0	1	1	0	1	0
2023	10/18/2023	2	15	13	1	0	1	1	0	1	0
2023	10/19/2023	2	15	13	1	0	1	1	0	1	0
2023	10/20/2023	2	15	13	1	0	1	1	0	1	0
2023	10/21/2023	2	15	13	1	0	1	1	0	1	0
2023	10/22/2023	2	15	13	1	0	1	1	0	1	0
2023	10/23/2023	2	15	13	1	0	1	1	0	1	0
2023	10/24/2023	2	15	13	1	0	1	1	0	1	0
2023	10/25/2023	2	15	13	1	0	1	1	0	1	0
2023	10/26/2023	2	15	13	1	0	1	1	0	1	0
2023	10/27/2023	2	15	13	1	0	1	1	0	1	0
2023	10/28/2023	2	15	13	1	0	1	1	0	1	0
2023	10/29/2023	2	15	13	1	0	1	1	0	1	0
2023	10/30/2023	2	15	13	1	0	1	1	0	1	0
2023	10/31/2023	2	15	13	1	0	1	1	0	1	0
2023	11/1/2023	2	15	13	1	0	1	1	0	1	0
2023	11/2/2023	2	15	13	1	0	1	1	0	1	0
2023	11/3/2023	2	15	13	1	0	1	1	0	1	0
2023	11/4/2023	2	15	13	1	0	1	1	0	1	0
2023	11/5/2023	2	15	13	1	0	1	1	0	1	0
2023	11/6/2023	2	15	13	1	0	1	1	0	1	0
2023	11/7/2023	2	15	13	1	0	1	1	0	1	0
2023	11/8/2023	2	15	13	1	0	1	1	0	1	0
2023	11/9/2023	2	15	13	1	0	1	1	0	1	0
2023	11/10/2023	2	15	13	1	0	1	1	0	1	0
2023	11/11/2023	2	15	13	1	0	1	1	0	1	0
2023	11/12/2023	2	15	13	1	0	1	1	0	1	0
2023	11/13/2023	2	15	13	1	0	1	1	0	1	0
2023	11/14/2023	2	15	13	1	0	1	1	0	1	0
2023	11/15/2023	2	15	13	1	0	1	1	0	1	0
2023	11/16/2023	2	15	13	1	0	1	1	0	1	0
2023	11/17/2023	2	15	13	1	0	1	1	0	1	0
2023	11/18/2023	2	15	13	1	0	1	1	0	1	0
2023	11/19/2023	2	15	13	1	0	1	1	0	1	0
2023	11/20/2023	2	15	13	1	0	1	1	0	1	0
2023	11/21/2023	2	15	13	1	0	1	1	0	1	0
2023	11/22/2023	2	15	13	1	0	1	1	0	1	0
2023	11/23/2023	2	15	13	1	0	1	1	0	1	0
2023	11/24/2023	2	15	13	1	0	1	1	0	1	0
2023	11/25/2023	2	15	13	1	0	1	1	0	1	0
2023	11/26/2023	2	15	13	1	0	1	1	0	1	0
2023	11/27/2023	2	15	13	1	0	1	1	0	1	0
2023	11/28/2023	2	15	13	1	0	1	1	0	1	0
2023	11/29/2023	2	15	13	1	0	1	1	0	1	0
2023	11/30/2023	2	15	13	1	0	1	1	0	1	0
2023	12/1/2023	2	15	13	1	0	1	1	0	1	0
2023	12/2/2023	2	15	13	1	0	1	1	0	1	0
2023	12/3/2023	2	15	13	1	0	1	1	0	1	0
2023	12/4/2023	2	15	13	1	0	1	1	0	1	0
2023	12/5/2023	2	15	13	1	0	1	1	0	1	0
2023	12/6/2023	2	15	13	1	0	1	1	0	1	0
2023	12/7/2023	2	15	13	1	0	1	1	0	1	0
2023	12/8/2023	2	15	13	1	0	1	1	0	1	0
2023	12/9/2023	2	15	13	1	0	1	1	0	1	0
2023	12/10/2023	2	15	13	1	0	1	1	0	1	0
2023	12/11/2023	2	15	13	1	0	1	1	0	1	0
2023	12/12/2023	2	15	13	1	0	1	1	0	1	0
2023	12/13/2023	2	15	13	1	0	1	1	0	1	0
2023	12/14/2023	2	15	13	1	0	1	1	0	1	0
2023	12/15/2023	2	15	13	1	0	1	1	0	1	0
2023	12/16/2023	2	15	13	1	0	1	1	0	1	0
2023	12/17/2023	2	15	13	1	0	1	1	0	1	0
2023	12/18/2023	2	15	13	1	0	1	1	0	1	0
2023	12/19/2023	2	15	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2023	12/20/2023	2	15	13	1	0	1	1	0	1	0
2023	12/21/2023	2	15	13	1	0	1	1	0	1	0
2023	12/22/2023	2	15	13	1	0	1	1	0	1	0
2023	12/23/2023	2	15	13	1	0	1	1	0	1	0
2023	12/24/2023	2	15	13	1	0	1	1	0	1	0
2023	12/25/2023	2	15	13	1	0	1	1	0	1	0
2023	12/26/2023	2	15	13	1	0	1	1	0	1	0
2023	12/27/2023	2	15	13	1	0	1	1	0	1	0
2023	12/28/2023	2	15	13	1	0	1	1	0	1	0
2023	12/29/2023	2	15	13	1	0	1	1	0	1	0
2023	12/30/2023	2	15	13	1	0	1	1	0	1	0
2023	12/31/2023	2	15	13	1	0	1	1	0	1	0
2024	1/1/2024	2	14	13	1	0	1	1	0	1	0
2024	1/2/2024	2	14	13	1	0	1	1	0	1	0
2024	1/3/2024	2	14	13	1	0	1	1	0	1	0
2024	1/4/2024	2	14	13	1	0	1	1	0	1	0
2024	1/5/2024	2	14	13	1	0	1	1	0	1	0
2024	1/6/2024	2	14	13	1	0	1	1	0	1	0
2024	1/7/2024	2	14	13	1	0	1	1	0	1	0
2024	1/8/2024	2	14	13	1	0	1	1	0	1	0
2024	1/9/2024	2	14	13	1	0	1	1	0	1	0
2024	1/10/2024	2	14	13	1	0	1	1	0	1	0
2024	1/11/2024	2	14	13	1	0	1	1	0	1	0
2024	1/12/2024	2	14	13	1	0	1	1	0	1	0
2024	1/13/2024	2	14	13	1	0	1	1	0	1	0
2024	1/14/2024	2	14	13	1	0	1	1	0	1	0
2024	1/15/2024	2	14	13	1	0	1	1	0	1	0
2024	1/16/2024	2	14	13	1	0	1	1	0	1	0
2024	1/17/2024	2	14	13	1	0	1	1	0	1	0
2024	1/18/2024	2	14	13	1	0	1	1	0	1	0
2024	1/19/2024	2	14	13	1	0	1	1	0	1	0
2024	1/20/2024	2	14	13	1	0	1	1	0	1	0
2024	1/21/2024	2	14	13	1	0	1	1	0	1	0
2024	1/22/2024	2	14	13	1	0	1	1	0	1	0
2024	1/23/2024	2	14	13	1	0	1	1	0	1	0
2024	1/24/2024	2	14	13	1	0	1	1	0	1	0
2024	1/25/2024	2	14	13	1	0	1	1	0	1	0
2024	1/26/2024	2	14	13	1	0	1	1	0	1	0
2024	1/27/2024	2	14	13	1	0	1	1	0	1	0
2024	1/28/2024	2	14	13	1	0	1	1	0	1	0
2024	1/29/2024	2	14	13	1	0	1	1	0	1	0
2024	1/30/2024	2	14	13	1	0	1	1	0	1	0
2024	1/31/2024	2	14	13	1	0	1	1	0	1	0
2024	2/1/2024	2	14	13	1	0	1	1	0	1	0
2024	2/2/2024	2	14	13	1	0	1	1	0	1	0
2024	2/3/2024	2	14	13	1	0	1	1	0	1	0
2024	2/4/2024	2	14	13	1	0	1	1	0	1	0
2024	2/5/2024	2	14	13	1	0	1	1	0	1	0
2024	2/6/2024	2	14	13	1	0	1	1	0	1	0
2024	2/7/2024	2	14	13	1	0	1	1	0	1	0
2024	2/8/2024	2	14	13	1	0	1	1	0	1	0
2024	2/9/2024	2	14	13	1	0	1	1	0	1	0
2024	2/10/2024	2	14	13	1	0	1	1	0	1	0
2024	2/11/2024	2	14	13	1	0	1	1	0	1	0
2024	2/12/2024	2	14	13	1	0	1	1	0	1	0
2024	2/13/2024	2	14	13	1	0	1	1	0	1	0
2024	2/14/2024	2	14	13	1	0	1	1	0	1	0
2024	2/15/2024	2	14	13	1	0	1	1	0	1	0
2024	2/16/2024	2	14	13	1	0	1	1	0	1	0
2024	2/17/2024	2	14	13	1	0	1	1	0	1	0
2024	2/18/2024	2	14	13	1	0	1	1	0	1	0
2024	2/19/2024	2	14	13	1	0	1	1	0	1	0
2024	2/20/2024	2	14	13	1	0	1	1	0	1	0
2024	2/21/2024	2	14	13	1	0	1	1	0	1	0
2024	2/22/2024	2	14	13	1	0	1	1	0	1	0
2024	2/23/2024	2	14	13	1	0	1	1	0	1	0
2024	2/24/2024	2	14	13	1	0	1	1	0	1	0
2024	2/25/2024	2	14	13	1	0	1	1	0	1	0
2024	2/26/2024	2	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2024	2/27/2024	2	14	13	1	0	1	1	0	1	0
2024	2/28/2024	2	14	13	1	0	1	1	0	1	0
2024	2/29/2024	2	14	13	1	0	1	1	0	1	0
2024	3/1/2024	3	21	19	1	0	1	1	0	1	0
2024	3/2/2024	3	21	19	1	0	1	1	0	1	0
2024	3/3/2024	3	21	19	1	0	1	1	0	1	0
2024	3/4/2024	3	21	19	1	0	1	1	0	1	0
2024	3/5/2024	3	21	19	1	0	1	1	0	1	0
2024	3/6/2024	3	21	19	1	0	1	1	0	1	0
2024	3/7/2024	3	21	19	1	0	1	1	0	1	0
2024	3/8/2024	3	21	19	1	0	1	1	0	1	0
2024	3/9/2024	3	21	19	1	0	1	1	0	1	0
2024	3/10/2024	3	21	19	1	0	1	1	0	1	0
2024	3/11/2024	3	21	19	1	0	1	1	0	1	0
2024	3/12/2024	3	21	19	1	0	1	1	0	1	0
2024	3/13/2024	3	21	19	1	0	1	1	0	1	0
2024	3/14/2024	3	21	19	1	0	1	1	0	1	0
2024	3/15/2024	3	21	19	1	0	1	1	0	1	0
2024	3/16/2024	3	21	19	1	0	1	1	0	1	0
2024	3/17/2024	3	21	19	1	0	1	1	0	1	0
2024	3/18/2024	3	21	19	1	0	1	1	0	1	0
2024	3/19/2024	3	21	19	1	0	1	1	0	1	0
2024	3/20/2024	3	21	19	1	0	1	1	0	1	0
2024	3/21/2024	3	21	19	1	0	1	1	0	1	0
2024	3/22/2024	3	21	19	1	0	1	1	0	1	0
2024	3/23/2024	3	21	19	1	0	1	1	0	1	0
2024	3/24/2024	3	21	19	1	0	1	1	0	1	0
2024	3/25/2024	3	21	19	1	0	1	1	0	1	0
2024	3/26/2024	3	21	19	1	0	1	1	0	1	0
2024	3/27/2024	3	21	19	1	0	1	1	0	1	0
2024	3/28/2024	3	21	19	1	0	1	1	0	1	0
2024	3/29/2024	3	21	19	1	0	1	1	0	1	0
2024	3/30/2024	3	21	19	1	0	1	1	0	1	0
2024	3/31/2024	3	21	19	1	0	1	1	0	1	0
2024	4/1/2024	3	21	19	1	0	1	1	0	1	0
2024	4/2/2024	2	14	13	1	0	1	1	0	1	0
2024	4/3/2024	2	14	13	1	0	1	1	0	1	0
2024	4/4/2024	2	14	13	1	0	1	1	0	1	0
2024	4/5/2024	2	14	13	1	0	1	1	0	1	0
2024	4/6/2024	2	14	13	1	0	1	1	0	1	0
2024	4/7/2024	2	14	13	1	0	1	1	0	1	0
2024	4/8/2024	2	14	13	1	0	1	1	0	1	0
2024	4/9/2024	2	14	13	1	0	1	1	0	1	0
2024	4/10/2024	2	14	13	1	0	1	1	0	1	0
2024	4/11/2024	2	14	13	1	0	1	1	0	1	0
2024	4/12/2024	2	14	13	1	0	1	1	0	1	0
2024	4/13/2024	2	14	13	1	0	1	1	0	1	0
2024	4/14/2024	2	14	13	1	0	1	1	0	1	0
2024	4/15/2024	2	14	13	1	0	1	1	0	1	0
2024	4/16/2024	2	14	13	1	0	1	1	0	1	0
2024	4/17/2024	2	14	13	1	0	1	1	0	1	0
2024	4/18/2024	2	14	13	1	0	1	1	0	1	0
2024	4/19/2024	2	14	13	1	0	1	1	0	1	0
2024	4/20/2024	2	14	13	1	0	1	1	0	1	0
2024	4/21/2024	2	14	13	1	0	1	1	0	1	0
2024	4/22/2024	2	14	13	1	0	1	1	0	1	0
2024	4/23/2024	2	14	13	1	0	1	1	0	1	0
2024	4/24/2024	2	14	13	1	0	1	1	0	1	0
2024	4/25/2024	2	14	13	1	0	1	1	0	1	0
2024	4/26/2024	2	14	13	1	0	1	1	0	1	0
2024	4/27/2024	2	14	13	1	0	1	1	0	1	0
2024	4/28/2024	2	14	13	1	0	1	1	0	1	0
2024	4/29/2024	2	14	13	1	0	1	1	0	1	0
2024	4/30/2024	2	14	13	1	0	1	1	0	1	0
2024	5/1/2024	2	14	13	1	0	1	1	0	1	0
2024	5/2/2024	2	14	13	1	0	1	1	0	1	0
2024	5/3/2024	2	14	13	1	0	1	1	0	1	0
2024	5/4/2024	2	14	13	1	0	1	1	0	1	0
2024	5/5/2024	2	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
2024	5/6/2024	2	14	13	1	0	1	1	0	1	0
2024	5/7/2024	2	14	13	1	0	1	1	0	1	0
2024	5/8/2024	2	14	13	1	0	1	1	0	1	0
2024	5/9/2024	2	14	13	1	0	1	1	0	1	0
2024	5/10/2024	2	14	13	1	0	1	1	0	1	0
2024	5/11/2024	2	14	13	1	0	1	1	0	1	0
2024	5/12/2024	2	14	13	1	0	1	1	0	1	0
2024	5/13/2024	2	14	13	1	0	1	1	0	1	0
2024	5/14/2024	2	14	13	1	0	1	1	0	1	0
2024	5/15/2024	0	0	0	0	0	0	0	0	0	0
2024	5/16/2024	0	0	0	0	0	0	0	0	0	0
2024	5/17/2024	0	0	0	0	0	0	0	0	0	0
2024	5/18/2024	0	0	0	0	0	0	0	0	0	0
2024	5/19/2024	0	0	0	0	0	0	0	0	0	0
2024	5/20/2024	0	0	0	0	0	0	0	0	0	0
2024	5/21/2024	0	0	0	0	0	0	0	0	0	0
2024	5/22/2024	0	0	0	0	0	0	0	0	0	0
2024	5/23/2024	0	0	0	0	0	0	0	0	0	0
2024	5/24/2024	0	0	0	0	0	0	0	0	0	0
2024	5/25/2024	0	0	0	0	0	0	0	0	0	0
2024	5/26/2024	0	0	0	0	0	0	0	0	0	0
2024	5/27/2024	0	0	0	0	0	0	0	0	0	0
2024	5/28/2024	0	0	0	0	0	0	0	0	0	0
2024	5/29/2024	0	0	0	0	0	0	0	0	0	0
2024	5/30/2024	0	0	0	0	0	0	0	0	0	0
2024	5/31/2024	0	0	0	0	0	0	0	0	0	0
2024	6/1/2024	2	12	12	1	0	1	1	0	1	0
2024	6/2/2024	2	12	12	1	0	1	1	0	1	0
2024	6/3/2024	2	12	12	1	0	1	1	0	1	0
2024	6/4/2024	2	12	12	1	0	1	1	0	1	0
2024	6/5/2024	2	12	12	1	0	1	1	0	1	0
2024	6/6/2024	2	12	12	1	0	1	1	0	1	0
2024	6/7/2024	2	12	12	1	0	1	1	0	1	0
2024	6/8/2024	2	12	12	1	0	1	1	0	1	0
2024	6/9/2024	2	12	12	1	0	1	1	0	1	0
2024	6/10/2024	2	12	12	1	0	1	1	0	1	0
2024	6/11/2024	2	12	12	1	0	1	1	0	1	0
2024	6/12/2024	2	12	12	1	0	1	1	0	1	0
2024	6/13/2024	2	12	12	1	0	1	1	0	1	0
2024	6/14/2024	2	12	12	1	0	1	1	0	1	0
2024	6/15/2024	2	12	12	1	0	1	1	0	1	0
2024	6/16/2024	2	12	12	1	0	1	1	0	1	0
2024	6/17/2024	2	12	12	1	0	1	1	0	1	0
2024	6/18/2024	2	12	12	1	0	1	1	0	1	0
2024	6/19/2024	2	12	12	1	0	1	1	0	1	0
2024	6/20/2024	2	12	12	1	0	1	1	0	1	0
2024	6/21/2024	2	12	12	1	0	1	1	0	1	0
2024	6/22/2024	7	26	25	1	0	2	1	0	1	0
2024	6/23/2024	6	14	13	1	0	1	1	0	1	0
2024	6/24/2024	6	14	13	1	0	1	1	0	1	0
2024	6/25/2024	6	14	13	1	0	1	1	0	1	0
2024	6/26/2024	6	14	13	1	0	1	1	0	1	0
2024	6/27/2024	6	14	13	1	0	1	1	0	1	0
2024	6/28/2024	6	14	13	1	0	1	1	0	1	0
2024	6/29/2024	6	14	13	1	0	1	1	0	1	0
2024	6/30/2024	6	14	13	1	0	1	1	0	1	0
2024	7/1/2024	6	14	13	1	0	1	1	0	1	0
2024	7/2/2024	6	14	13	1	0	1	1	0	1	0
2024	7/3/2024	6	14	13	1	0	1	1	0	1	0
2024	7/4/2024	6	14	13	1	0	1	1	0	1	0
2024	7/5/2024	6	14	13	1	0	1	1	0	1	0
2024	7/6/2024	6	14	13	1	0	1	1	0	1	0
2024	7/7/2024	6	14	13	1	0	1	1	0	1	0
2024	7/8/2024	6	14	13	1	0	1	1	0	1	0
2024	7/9/2024	6	14	13	1	0	1	1	0	1	0
2024	7/10/2024	6	14	13	1	0	1	1	0	1	0
2024	7/11/2024	6	14	13	1	0	1	1	0	1	0
2024	7/12/2024	6	14	13	1	0	1	1	0	1	0
2024	7/13/2024	6	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2024	7/14/2024	6	14	13	1	0	1	1	0	1	0
2024	7/15/2024	6	14	13	1	0	1	1	0	1	0
2024	7/16/2024	6	14	13	1	0	1	1	0	1	0
2024	7/17/2024	6	14	13	1	0	1	1	0	1	0
2024	7/18/2024	6	14	13	1	0	1	1	0	1	0
2024	7/19/2024	6	14	13	1	0	1	1	0	1	0
2024	7/20/2024	6	14	13	1	0	1	1	0	1	0
2024	7/21/2024	6	14	13	1	0	1	1	0	1	0
2024	7/22/2024	6	14	13	1	0	1	1	0	1	0
2024	7/23/2024	6	14	13	1	0	1	1	0	1	0
2024	7/24/2024	6	14	13	1	0	1	1	0	1	0
2024	7/25/2024	6	14	13	1	0	1	1	0	1	0
2024	7/26/2024	6	14	13	1	0	1	1	0	1	0
2024	7/27/2024	6	14	13	1	0	1	1	0	1	0
2024	7/28/2024	6	14	13	1	0	1	1	0	1	0
2024	7/29/2024	6	14	13	1	0	1	1	0	1	0
2024	7/30/2024	6	14	13	1	0	1	1	0	1	0
2024	7/31/2024	6	14	13	1	0	1	1	0	1	0
2024	8/1/2024	6	14	13	1	0	1	1	0	1	0
2024	8/2/2024	6	14	13	1	0	1	1	0	1	0
2024	8/3/2024	6	14	13	1	0	1	1	0	1	0
2024	8/4/2024	6	14	13	1	0	1	1	0	1	0
2024	8/5/2024	6	14	13	1	0	1	1	0	1	0
2024	8/6/2024	6	14	13	1	0	1	1	0	1	0
2024	8/7/2024	6	14	13	1	0	1	1	0	1	0
2024	8/8/2024	6	14	13	1	0	1	1	0	1	0
2024	8/9/2024	6	14	13	1	0	1	1	0	1	0
2024	8/10/2024	6	14	13	1	0	1	1	0	1	0
2024	8/11/2024	6	14	13	1	0	1	1	0	1	0
2024	8/12/2024	6	14	13	1	0	1	1	0	1	0
2024	8/13/2024	6	14	13	1	0	1	1	0	1	0
2024	8/14/2024	6	14	13	1	0	1	1	0	1	0
2024	8/15/2024	6	14	13	1	0	1	1	0	1	0
2024	8/16/2024	6	14	13	1	0	1	1	0	1	0
2024	8/17/2024	6	14	13	1	0	1	1	0	1	0
2024	8/18/2024	6	14	13	1	0	1	1	0	1	0
2024	8/19/2024	6	14	13	1	0	1	1	0	1	0
2024	8/20/2024	6	14	13	1	0	1	1	0	1	0
2024	8/21/2024	6	14	13	1	0	1	1	0	1	0
2024	8/22/2024	6	14	13	1	0	1	1	0	1	0
2024	8/23/2024	6	14	13	1	0	1	1	0	1	0
2024	8/24/2024	6	14	13	1	0	1	1	0	1	0
2024	8/25/2024	6	14	13	1	0	1	1	0	1	0
2024	8/26/2024	6	14	13	1	0	1	1	0	1	0
2024	8/27/2024	6	14	13	1	0	1	1	0	1	0
2024	8/28/2024	6	14	13	1	0	1	1	0	1	0
2024	8/29/2024	6	14	13	1	0	1	1	0	1	0
2024	8/30/2024	6	14	13	1	0	1	1	0	1	0
2024	8/31/2024	6	14	13	1	0	1	1	0	1	0
2024	9/1/2024	6	14	13	1	0	1	1	0	1	0
2024	9/2/2024	6	14	13	1	0	1	1	0	1	0
2024	9/3/2024	6	14	13	1	0	1	1	0	1	0
2024	9/4/2024	6	14	13	1	0	1	1	0	1	0
2024	9/5/2024	6	14	13	1	0	1	1	0	1	0
2024	9/6/2024	6	14	13	1	0	1	1	0	1	0
2024	9/7/2024	6	14	13	1	0	1	1	0	1	0
2024	9/8/2024	6	14	13	1	0	1	1	0	1	0
2024	9/9/2024	6	14	13	1	0	1	1	0	1	0
2024	9/10/2024	6	14	13	1	0	1	1	0	1	0
2024	9/11/2024	6	14	13	1	0	1	1	0	1	0
2024	9/12/2024	6	14	13	1	0	1	1	0	1	0
2024	9/13/2024	6	14	13	1	0	1	1	0	1	0
2024	9/14/2024	6	14	13	1	0	1	1	0	1	0
2024	9/15/2024	6	14	13	1	0	1	1	0	1	0
2024	9/16/2024	6	14	13	1	0	1	1	0	1	0
2024	9/17/2024	6	14	13	1	0	1	1	0	1	0
2024	9/18/2024	6	14	13	1	0	1	1	0	1	0
2024	9/19/2024	6	14	13	1	0	1	1	0	1	0
2024	9/20/2024	6	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

	MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)									
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX
2024	9/21/2024	6	14	13	1	0	1	1	0	1	0
2024	9/22/2024	6	14	13	1	0	1	1	0	1	0
2024	9/23/2024	6	14	13	1	0	1	1	0	1	0
2024	9/24/2024	6	14	13	1	0	1	1	0	1	0
2024	9/25/2024	6	14	13	1	0	1	1	0	1	0
2024	9/26/2024	6	14	13	1	0	1	1	0	1	0
2024	9/27/2024	6	14	13	1	0	1	1	0	1	0
2024	9/28/2024	6	14	13	1	0	1	1	0	1	0
2024	9/29/2024	6	14	13	1	0	1	1	0	1	0
2024	9/30/2024	6	14	13	1	0	1	1	0	1	0
2024	10/1/2024	6	14	13	1	0	1	1	0	1	0
2024	10/2/2024	6	14	13	1	0	1	1	0	1	0
2024	10/3/2024	6	14	13	1	0	1	1	0	1	0
2024	10/4/2024	6	14	13	1	0	1	1	0	1	0
2024	10/5/2024	6	14	13	1	0	1	1	0	1	0
2024	10/6/2024	6	14	13	1	0	1	1	0	1	0
2024	10/7/2024	6	14	13	1	0	1	1	0	1	0
2024	10/8/2024	6	14	13	1	0	1	1	0	1	0
2024	10/9/2024	6	14	13	1	0	1	1	0	1	0
2024	10/10/2024	6	14	13	1	0	1	1	0	1	0
2024	10/11/2024	6	14	13	1	0	1	1	0	1	0
2024	10/12/2024	6	14	13	1	0	1	1	0	1	0
2024	10/13/2024	6	14	13	1	0	1	1	0	1	0
2024	10/14/2024	6	14	13	1	0	1	1	0	1	0
2024	10/15/2024	6	14	13	1	0	1	1	0	1	0
2024	10/16/2024	6	14	13	1	0	1	1	0	1	0
2024	10/17/2024	6	14	13	1	0	1	1	0	1	0
2024	10/18/2024	6	14	13	1	0	1	1	0	1	0
2024	10/19/2024	6	14	13	1	0	1	1	0	1	0
2024	10/20/2024	6	14	13	1	0	1	1	0	1	0
2024	10/21/2024	6	14	13	1	0	1	1	0	1	0
2024	10/22/2024	6	14	13	1	0	1	1	0	1	0
2024	10/23/2024	6	14	13	1	0	1	1	0	1	0
2024	10/24/2024	6	14	13	1	0	1	1	0	1	0
2024	10/25/2024	6	14	13	1	0	1	1	0	1	0
2024	10/26/2024	6	14	13	1	0	1	1	0	1	0
2024	10/27/2024	6	14	13	1	0	1	1	0	1	0
2024	10/28/2024	6	14	13	1	0	1	1	0	1	0
2024	10/29/2024	6	14	13	1	0	1	1	0	1	0
2024	10/30/2024	6	14	13	1	0	1	1	0	1	0
2024	10/31/2024	6	14	13	1	0	1	1	0	1	0
2024	11/1/2024	6	14	13	1	0	1	1	0	1	0
2024	11/2/2024	6	14	13	1	0	1	1	0	1	0
2024	11/3/2024	6	14	13	1	0	1	1	0	1	0
2024	11/4/2024	6	14	13	1	0	1	1	0	1	0
2024	11/5/2024	6	14	13	1	0	1	1	0	1	0
2024	11/6/2024	6	14	13	1	0	1	1	0	1	0
2024	11/7/2024	6	14	13	1	0	1	1	0	1	0
2024	11/8/2024	6	14	13	1	0	1	1	0	1	0
2024	11/9/2024	6	14	13	1	0	1	1	0	1	0
2024	11/10/2024	6	14	13	1	0	1	1	0	1	0
2024	11/11/2024	6	14	13	1	0	1	1	0	1	0
2024	11/12/2024	6	14	13	1	0	1	1	0	1	0
2024	11/13/2024	6	14	13	1	0	1	1	0	1	0
2024	11/14/2024	6	14	13	1	0	1	1	0	1	0
2024	11/15/2024	6	14	13	1	0	1	1	0	1	0
2024	11/16/2024	6	14	13	1	0	1	1	0	1	0
2024	11/17/2024	6	14	13	1	0	1	1	0	1	0
2024	11/18/2024	6	14	13	1	0	1	1	0	1	0
2024	11/19/2024	6	14	13	1	0	1	1	0	1	0
2024	11/20/2024	6	14	13	1	0	1	1	0	1	0
2024	11/21/2024	6	14	13	1	0	1	1	0	1	0
2024	11/22/2024	6	14	13	1	0	1	1	0	1	0
2024	11/23/2024	6	14	13	1	0	1	1	0	1	0
2024	11/24/2024	6	14	13	1	0	1	1	0	1	0
2024	11/25/2024	6	14	13	1	0	1	1	0	1	0
2024	11/26/2024	6	14	13	1	0	1	1	0	1	0
2024	11/27/2024	6	14	13	1	0	1	1	0	1	0
2024	11/28/2024	6	14	13	1	0	1	1	0	1	0

Calculates Max Daily Emissions for the Entire Project

		MAX:	27	221	153	8	2	9	8	0	8	0
Year	Date	Max Daily Emissions (lbs/day)										
		ROG	NOX	CO	PM10 Ex	PM10 D	PM10 T	PM2.5 Ex	PM2.5 D	PM2.5 T	SOX	
2024	11/29/2024	6	14	13	1	0	1	1	0	1	0	
2024	11/30/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/1/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/2/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/3/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/4/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/5/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/6/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/7/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/8/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/9/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/10/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/11/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/12/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/13/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/14/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/15/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/16/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/17/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/18/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/19/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/20/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/21/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/22/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/23/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/24/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/25/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/26/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/27/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/28/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/29/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/30/2024	6	14	13	1	0	1	1	0	1	0	
2024	12/31/2024	6	14	13	1	0	1	1	0	1	0	

Operational

Modeling Outputs

Operational Emissions - Existing Marine Vessels Scenario 1

Marine Calculations

Code	Equipment	Number of Pieces	Main	Aux	Pounds per day					
					ROG	NOX	CO	PM10	PM2.5	SO2
Existing	Tug Scenario 1	2	1	1	7	59	54	1	1	0

Operational Emissions - Existing Marine Vessels Scenario 1

Marine Calculations	**2025**

Code	Equipment	Number of Pieces	Main	Aux	Tons per year						Metric tons per year			
					ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e
Existing	Tug Scenario 1	2	1	1	0	0	0	0	0	0	24	0	0	24

Operational Emissions - Existing Marine Vessels Scenario 2

Marine Calculations

Code	Equipment	Number of Pieces	Main	Aux	Pounds per day					
					ROG	NOX	CO	PM10	PM2.5	SO2
Existing	Assist Scenario 2	3	1	1	8	60	54	1	1	0
Existing	Pusher Scenario 2	1	1	1	1	9	7	0	0	0

Operational Emissions - Existing Marine Vessels Scenario 2

Marine Calculations	2025

Code	Equipment	Number of Pieces	Main	Aux	Tons per year						Metric tons per year			
					ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e
Existing	Assist Scenario 2	3	1	1	0	0	0	0	0	0	24	0	0	24
Existing	Pusher Scenario 2	1	1	1	0	0	0	0	0	0	3	0	0	3

Operational Emissions - Project Marine Vessels

Marine Calculations

Code	Equipment	Number of Pieces	Main	Aux	Pounds per day					
					ROG	NOX	CO	PM10	PM2.5	SO2
Future	Assist	2	1	1	6	49	45	1	1	0
Future	Pusher	3	1	1	3	27	21	1	1	0

Operational Emissions - Project Marine Vessels

Marine Calculations	2025

Code	Equipment	Number of Pieces	Main	Aux	Tons per year						Metric tons per year			
					ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e
Future	Assist	2	1	1	0.02	0.12	0.11	0.00	0.00	0.00	13	2.51E-04	5.65E-04	13
Future	Pusher	3	1	1	0.01	0.07	0.05	0.00	0.00	0.00	6	2.73E-04	5.86E-04	6

Tug Activity

MMSI	IMO	VESSNAME	SHIPTYPE	FLAG	Out of Port		In Port			Compliance	Propulsion		Auxiliary		
					Moving	Stopped	Moving	Stopped	MY	Date	No	HP each	No	HP each	
338533000	7207748	SHANNON DANN	Assist Tug	United States	6.820	0.000	3.326	51.329	1970	2009	2	975	2	100	Dann Ocean Towing Inc
365934954	8987929	JOHN QUIGG	Assist Tug	United States	8.012	0.000	4.506	3.507	2004	2019	2	2400	2	133	Olympic Tug & Barge Inc
366755010	9188532	MASTER	Assist Tug	United States	20.134	0.000	599.926	764.612	1997	2015	2	2400	2	141	Crowley Maritime Corp
366764730	9188570	SCOUT	Assist Tug	United States	15.376	0.050	1394.594	6698.942	1998	2015	2	2400	2	141	Crowley Maritime Corp
366888800	9122734	TIOGA	Assist Tug	United States	15.565	0.048	958.836	7082.628	1994	2013	2	1975	2	107	Crowley Maritime Corp
366999010	8967046	ISLAND VOYAGER	Assist Tug	United States	7.620	0.000	1.258	6.501	1973	2009	2	2101	2	100	Island Tug & Barge Co
367726390		BERNADINE C	Assist Tug	United States	9.427	0.000	4.346	6.235	2015	2015	2	1000	2	87	Curtin Maritime
									Large	2014	2	2255	2	124	
From 2016 Port of Sand Diego Inventory									Small	2012	2	988	2	94	

Operational Tug Emission Factor Development

Tug Characteristics

		Propulsion		Auxiliary	
Tugs	MY	No	HP each	No	HP each
Assist 1	2014	2	2000	2	110
Assist 2	2014	2	2500	2	125
Assist 3	2014	2	3000	2	150
Pusher	2012	2	750	2	95

For Deterioration Purposes

Useful Life		Annual Hrs		12000 hr Det Cap	
Prop	Aux	Prop	Aux	Prop	Aux
21	23	2274	2486	5.28	4.83

Useful life, annual hours, and load factors from 2010 ARB Harbor Craft Emission Inventory Methodology
https://ww3.arb.ca.gov/msei/chc-appendix-b-emission-estimates-ver02-27-2012.pdf

Zero Emission Levels

Unit	SO2	CO2	N2O
g/kWh	0.17	652	0.031
g/hp-hr	0.13	486	0.023

All vessels will be fully deteriorated by 2025

1kW = 1.34104 hp

HP	Kw	MY	Eng	CH4 g/kWh	CH4 g/hp-hr
95	71	2012	Aux	0.032	0.024
110	82	2014	Aux	0.032	0.024
125	93	2014	Aux	0.022	0.016
150	112	2014	Aux	0.022	0.016
750	559	2012	Prop	0.018	0.013
2000	1491	2014	Prop	0.018	0.013
2500	1864	2014	Prop	0.018	0.013
3000	2237	2014	Prop	0.018	0.013

From 2013 Port of Long Beach Inventory
http://www.polb.com/civica/filebank/blobdload.asp?BlobID=12238

Uncorrected Zero Hr Emission Factors (g/hp-hr)

Tug	Engine	MY	No	HP	LF	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Assist 1	Main	2014	2	2000	0.50	0.68	4.37	3.73	0.10	0.10	0.13	486	0.013	0.023
	Aux	2014	2	110	0.31	1.18	5.32	3.73	0.22	0.21	0.13	486	0.024	0.023
Assist 2	Main	2014	2	2500	0.50	0.68	4.37	3.73	0.10	0.10	0.13	486	0.013	0.023
	Aux	2014	2	125	0.31	0.81	3.80	3.73	0.09	0.09	0.13	486	0.016	0.023
Assist 3	Main	2014	2	3000	0.50	0.68	4.37	3.73	0.10	0.10	0.13	486	0.013	0.023
	Aux	2014	2	150	0.31	0.81	3.80	3.73	0.09	0.09	0.13	486	0.016	0.023
Pusher	Main	2012	2	750	0.50	0.68	5.10	3.73	0.15	0.15	0.13	486	0.013	0.023
	Aux	2012	2	95	0.31	1.18	5.32	3.73	0.22	0.21	0.13	486	0.024	0.023

ULSD Fuel Correction Factors

MY	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
1995 and older	0.720	0.930	1.000	0.720	0.720	0.043	1.000	0.720	0.930
1996 to 2010	0.720	0.948	1.000	0.800	0.800	0.043	1.000	0.720	0.948
2011 and newer	0.720	0.948	1.000	0.852	0.852	0.043	1.000	0.720	0.948

USLD Corrected Zero Hr Emission Factors (g/hp-hr)

Tug	Engine	MY	No	HP	LF	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Assist 1	Main	2014	2	2000	0.50	0.49	4.14	3.73	0.09	0.08	0.01	486	0.010	0.022
	Aux	2014	2	110	0.31	0.85	5.04	3.73	0.19	0.18	0.01	486	0.017	0.022
Assist 2	Main	2014	2	2500	0.50	0.49	4.14	3.73	0.09	0.08	0.01	486	0.010	0.022
	Aux	2014	2	125	0.31	0.58	3.60	3.73	0.08	0.07	0.01	486	0.012	0.022
Assist 3	Main	2014	2	3000	0.50	0.49	4.14	3.73	0.09	0.08	0.01	486	0.010	0.022
	Aux	2014	2	150	0.31	0.58	3.60	3.73	0.08	0.07	0.01	486	0.012	0.022
Pusher	Main	2012	2	750	0.50	0.49	4.84	3.73	0.13	0.12	0.01	486	0.010	0.022
	Aux	2012	2	95	0.31	0.85	5.04	3.73	0.19	0.18	0.01	486	0.017	0.022

Engine Deterioration Factors

HP Range	ROG	NOX	CO	PM10	PM2.5
25 -50	0.51	0.06	0.41	0.31	0.31
51-250	0.28	0.14	0.16	0.44	0.44
> 250	0.44	0.21	0.25	0.67	0.67

2025 Deteriorated Emission Factors (g/hp-hr)

Tug	Engine	MY	No	HP	LF	ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O
Assist 1	Main	2014	2	2000	0.50	0.54	4.36	3.96	0.10	0.10	0.01	486	0.010	0.022
	Aux	2014	2	110	0.31	0.90	5.19	3.86	0.20	0.20	0.01	486	0.017	0.022
Assist 2	Main	2014	2	2500	0.50	0.54	4.36	3.96	0.10	0.10	0.01	486	0.010	0.022
	Aux	2014	2	125	0.31	0.62	3.71	3.86	0.08	0.08	0.01	486	0.012	0.022
Assist 3	Main	2014	2	3000	0.50	0.54	4.36	3.96	0.10	0.10	0.01	486	0.010	0.022
	Aux	2014	2	150	0.31	0.62	3.71	3.86	0.08	0.08	0.01	486	0.012	0.022
Pusher	Main	2012	2	750	0.50	0.54	5.09	3.96	0.15	0.14	0.01	486	0.010	0.022
	Aux	2012	2	95	0.31	0.90	5.19	3.86	0.20	0.20	0.01	486	0.017	0.022

Operational Emissions - Existing Portable Diesel Equipment

							3	4	5	6	7	8
Code	**Equip**	**per call**	**hrs to berth**	**HP**	**LF**	**Fuel**	**Pounds per day**					
							ROG	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**
Existing	Generators	2	5	550	0.74	Diesel	0.3	1.2	9.9	0.0	0.0	0.0
Existing	Fire Pump	2	5	175	0.74	Diesel	0.2	3.3	3.7	0.1	0.1	0.0

Operational Emissions - Existing Portable Diesel Equipment

							2025									
													9	10	11	
Code	Equip	per call	hrs to berth	HP	LF	Fuel	Tons per year						Metric tons per year			
							ROG	NOX	CO	PM10	PM2.5	SO2	CO2	CH4	N2O	CO2e
Existing	Generators	2	5	550	0.74	Diesel	0.002	0.009	0.079	0.000	0.000	0.000	18.5	0.0	0.0	18.7
Existing	Fire Pump	2	5	175	0.74	Diesel	0.001	0.026	0.030	0.001	0.001	0.000	5.9	0.0	0.0	5.9

Construction Equipment Emission Factors

Tier 3

	2	3	4	5	6	7	8	9	10	11
Equipment Type	**HP**	**ROG**	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**CO2**	**CH4**	**N2O**
Generator Sets	500	0.12	2.32	2.60	0.09	0.09	0.01	568.30	0.02	0.01
Pumps	175	0.12	2.32	2.60	0.09	0.09	0.01	568.30	0.03	0.01

Tier 4

2	3	4	5	6	7	8	9	10	11
HP	**ROG**	**NOX**	**CO**	**PM10**	**PM2.5**	**SO2**	**CO2**	**CH4**	**N2O**
500	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.02	0.01
175	0.06	0.26	2.20	0.01	0.01	0.01	568.30	0.03	0.01

BAE All Truck Scenario Energy Analysis

Construction Energy Calcs	Unit	Amount	BTU	MBTU
Trucks	gallons (diesel)	27,659	3,581,448,474	*3,581*
Workers	gallons (gasoline)	9,429	1,074,264,297	*1,074*
Equipment	gallons (diesel)	110,568	14,317,168,120	*14,317*
Marine	gallons (diesel)	36,707	4,753,174,969	*4,753*
total				***23,726***

Operations Energy Calcs	Unit	Amount	BTU	MBTU
Existing Offroad	gallons (diesel)	2,389	309,343,979	*309*
Future Offroad	gallons (diesel)	1,493	193,339,987	*193*
Existing Marine	gallons (diesel)	2,672	345,967,218	*346*
Future Marine	gallons (diesel)	1,805	233,747,385	*234*
total				***-228***

Conversions		Source
BTU_kWh	3,416	Argonne 2015
BTU/1 gallon gasoline	113,927	BTU
BTU/1 gallon diesel	129,488	BTU
kg CO2 per gal diesel	10.21	Climate Registry 2018
kg CO2 per gal gasoline	8.76	Climate Registry 2018
kgs per MT	1000	

Summary

	Energy Consumption (in million BTUs)	
	Construction	Operations
Trucks	3,581	
Workers	1,074	
Equipment	14,317	-116
Marine	4,753	-112
Total	**23,726**	**-228**

Construction is over the life of construction; operational consumption is on an annual basis

BAE 50/50 Scenario Energy Analysis

Construction Energy Calcs	Unit	Amount	BTU	MBTU
Trucks	gallons (diesel)	24,056	3,115,000,992	*3,115*
Workers	gallons (gasoline)	9,429	1,074,264,297	*1,074*
Equipment	gallons (diesel)	110,568	14,317,168,120	*14,317*
Marine	gallons (diesel)	37,914	4,909,423,305	*4,909*
total				***23,416***

Operations Energy Calcs	Unit	Amount	BTU	MBTU
Existing Offroad	gallons (diesel)	2,389	309,343,979	*309*
Future Offroad	gallons (diesel)	1,493	193,339,987	*193*
Existing Marine	gallons (diesel)	2,672	345,967,218	*346*
Future Marine	gallons (diesel)	1,805	233,747,385	*234*
Change				***-228***

Conversions		Source
BTU_kWh	3,416	Argonne 2015
BTU/1 gallon gasoline	113,927	BTU
BTU/1 gallon diesel	129,488	BTU
kg CO2 per gal diesel	10.21	Climate Registry 2018
kg CO2 per gal gasoline	8.76	Climate Registry 2018
kgs per MT	1000	

Summary

	Energy Consumption (in million BTUs)	
	Construction	Operations
Trucks	3,115	
Workers	1,074	
Equipment	14,317	-116
Marine	4,909	-112
Total	**23,416**	**-228**

Construction is over the life of construction; operational consumption is on an annual basis

Appendix D-1

Biological Technical Study and Essential Fish Habitat Assessment for the BAE Waterfront Infrastructure Maintenance, Repair, and Replacement Project

BIOLOGICAL TECHNICAL STUDY AND ESSENTIAL FISH HABITAT ASSESSMENT FOR THE BAE WATERFRONT INFRASTRUCTURE MAINTENANCE, REPAIR, AND REPLACEMENT PROJECT SAN DIEGO, CA

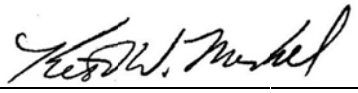
Prepared for:

BAE Systems San Diego Ship Repair
2205 East Belt St
San Diego, CA 92113

Prepared by:

Merkel & Associates, Inc.
5434 Ruffin Road
San Diego, CA 92123
Phone: (858) 560-5465
Fax: (858) 560-7779

March 2019
Revised June 2020



Keith Merkel, Principal Consultant

TABLE OF CONTENTS

1.0 INTRODUCTION 1
2.0 PROJECT LOCATION AND DESCRIPTION 3
2.1 PROJECT LOCATION 3
2.2 PROJECT DESCRIPTION 3
3.0 PROJECT REGULATORY REQUIREMENTS 9
3.1 FEDERAL REGULATIONS 9
Clean Water Act 9
Rivers and Harbors Appropriation Act 9
Endangered Species Act 9
Marine Mammal Protection Act 10
Migratory Bird Treaty Act 10
Magnuson-Stevens Fishery Conservation and Management Act 10
3.2 STATE REGULATIONS 11
California Coastal Act 11
California Endangered Species Act 11
California Fish and Game Code 11
3.3 LOCAL REGULATIONS 12
San Diego Unified Port District Port Master Plan 12
San Diego Bay Integrated Natural Resources Management Plan 12
4.0 ENVIRONMENTAL SETTING 13
4.1 HABITATS WITHIN THE PROJECT SITE 13
Subtidal Unvegetated Habitat 14
Subtidal Vegetated Habitat 16
Intertidal/Shallow Subtidal Riprap Revetments 18
Vertical Bulkhead Wall 19
Pier Piles 19
Open Water 20
Upland Transition and Upland Areas 20
4.2 WETLANDS AND SENSITIVE HABITATS 22
4.3 WILDLIFE CORRIDORS 22
4.4 SENSITIVE WILDLIFE 23
5.0 ESSENTIAL FISH HABITAT 25
5.1 ESSENTIAL FISH HABITAT BACKGROUND INFORMATION 25
Definitions 25
Habitat Areas of Particular Concern 25
NMFS Managed Ichthyofauna Present in San Diego Bay 26
Biological Descriptions for Managed Species 27
6.0 IMPACT ANALYSIS 31
6.1 IN-WATER HABITAT AND EFH IMPACTS 32
Subtidal Unvegetated Habitat 32
Subtidal Vegetated Habitat 35
Open water 36
Intertidal/ Shallow Subtidal Riprap Revetment 36
Piles 37
Hydroacoustics 38
6.2 UPLAND TRANSITION AND UPLAND AREA IMPACTS 48

6.3 IMPACTS TO WETLANDS AND SENSITIVE HABITATS 49
6.4 IMPACTS TO WILDLIFE CORRIDORS 49
6.5 IMPACTS TO SENSITIVE WILDLIFE 49
Reptiles 49
Birds 50
Marine Mammals 51
6.7 CUMULATIVE IMPACTS 52
7.0 MITIGATION AND PROTECTIVE MEASURES 53
7.1 BAY COVERAGE MITIGATION 53
7.2 MARINE RESOURCE MITIGATION 53
Subtidal Vegetated Communities 53
Open Water 54
EFH 54
7.3 SENSITIVE SPECIES MITIGATION 54
Reptiles 54
Birds 55
Mammals 55
8.0 CONCLUSIONS 57
9.0 REFERENCES 59

LIST OF FIGURES

Figure 1. Project Vicinity Map 2
Figure 2. Project Element Map 4
Figure 3. Habitat Map of Project Site 15
Figure 4. Habitat Impact Map 33

LIST OF TABLES

Table 1. Proposed Construction Schedule 7
Table 2. Anticipated Construction Equipment 8
Table 3. Habitat Summary in Project Study Area. 14
Table 4. Sensitive Species with Potential to Occur within the Project Site 24
Table 5. Table of NMFS managed fish species previously found in San Diego Bay.* 27
Table 6. Impact Summary Table for In-Water Elements 34
Table 7. Thresholds of hydroacoustic sound pressure level exposure for the project. 39
Table 8. Potential noise generation levels for impact and vibratory pile driving 42
Table 9. Noise threshold zones of influence (ZOI) for different receptors 45
Table 10. In-water Noise Impact Summary Table by Project Element 47

BIOLOGICAL TECHNICAL STUDY AND ESSENTIAL FISH HABITAT ASSESSMENT FOR THE BAE WATERFRONT INFRASTRUCTURE MAINTENANCE, REPAIR, AND REPLACEMENT PROJECT, San Diego, CA

Revised June 2020

1.0 INTRODUCTION

BAE Systems San Diego Ship Repair Inc. (BAE Systems) is a ship repair company in the San Diego area, primarily serving non-nuclear Navy vessels, as well as commercial customers. BAE Systems leases 12 acres of land and 21 acres of water from the San Diego Port District, as well as 3.5 acres of submerged land outside of the District's jurisdiction (beyond the U.S. Pierhead Line) from the California State Lands Commission (SLC). The acreage leased from both the District and the SLC comprise the San Diego Ship Repair Yard (project site) (Figure 1).

The ship repair facilities includes three working piers, five wet berths, and two floating drydocks, all of which are used to modernize, repair, and overhaul marine vessels. The smaller of the two drydocks, the Pride of San Diego, has been on site since 1984. In 2017, the larger Pride of California was commissioned to meet the growing needs of BAE Systems' customers.

Over the last three years the shipyard has undergone considerable in-water work including a facility-wide sediment removal and remediation project as well as construction of infrastructure and completion of dredging to support the installation of the Pride of California drydock. This work also included development of an off-site eelgrass mitigation site to mitigate the complete removal of eelgrass present on site that occurred with the sediment remediation project and the mitigation of overwater structures associated with the drydock project, formerly known as the Pier 1 North Drydock, now Pride of California. This eelgrass mitigation site located in the former intake channel to the decommissioned South Bay Power Plant, was oversized to accommodate the drydock and sediment remediation project risks as well as to develop mitigation for future needs associated with modernization of the waterside facilities at the shipyard. This mitigation site is presently within its 5-year establishment monitoring period.

The purpose of the presently proposed project is to maintain and improve facilities to provide for current and anticipated customer berthing needs. As part of the U.S. Navy's "Pivot West" strategy, more Navy vessels will be homeported in San Diego. New ship arrivals have already occurred and are expected to continue over the next 2 years and beyond. This means BAE must be prepared to service newer, more complex, and larger Navy vessels, which will require BAE ship repair capabilities to become more efficient.

The proposed project would replace aging structures; improve existing infrastructure, increase space utilization, and increase efficiency of operations. These improvements would allow for newer and different classes of vessels to be moored and repaired on site; however, these changes are not expected to significantly alter existing site activities or throughput. As such, operations at the BAE Systems facility would remain relatively the same after project implementation.

This report documents biological conditions at the project site, and provides an analysis of potential impacts to habitats and sensitive species, as well as provides an Essential Fish Habitat (EFH) Assessment for the proposed project.



Project Vicinity
Biological Services for BAE Systems
Waterfront Improvement Projects

Figure 1

2.0 PROJECT LOCATION AND DESCRIPTION

2.1 PROJECT LOCATION

The project site is within a working shipyard and consists of developed industrialized upland areas and in-water structures including concrete block riprap revetments, vertical bulkhead wall, piers, and pier pilings (Figure 1). The in-water bottom habitat is primarily unvegetated soft bottom, with some vegetated habitat (eelgrass) in the shallow areas adjacent to the riprap revetments and bulkhead wall. The slope of the soft bottom within the shipyard ranges from flat to steep and extends from a high elevation of approximately 0 feet MLLW to a depth of approximately -31 feet MLLW at the bayward edge of the leasehold area. Two drydock sumps exist in the shipyard and are used for submerging the drydocks to a depth suitable to allow vessels to be floated into the drydock and the drydock to be raised out of the water. These two sumps are deep holes that extend as much as 30+ feet below surrounding seafloor elevations with the deepest areas being within the Pride of San Diego sump at approximately -70 feet MLLW.

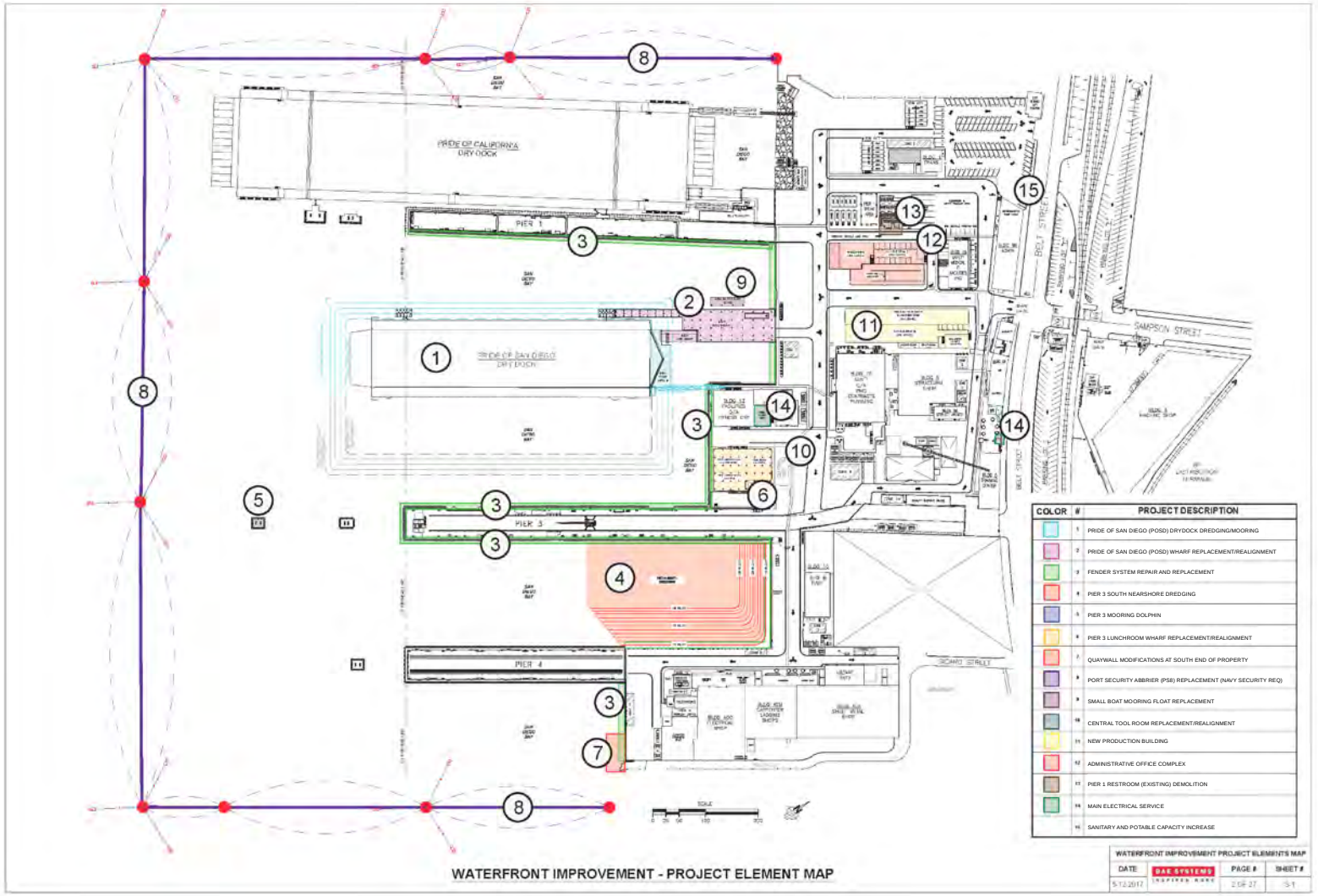
The uplands of the project area are located within a heavily industrialized region of the eastern shoreline of San Diego Bay with a marine contractor, R.E. Staite yard to the north, National Steel and Shipbuilding Company (NASSCO) to the south and Belt Street, railroad and additional heavy industry to the east. The waterside facilities are bounded by heavy marine industrial uses to the north and south and the main navigation channel of San Diego Bay to the west.

2.2 PROJECT DESCRIPTION

The proposed project has been structured to include a number of discrete elements analyzed as a unit as they are all part of the same overall installation improvement program. The project consists of 15 project elements (Elements) designed to improve efficiency and functionality of the existing BAE Systems facility. Figure 2 provides an overall site plan identifying the location of each project element by number and a summary for each of the project elements is provided below.

***Element 1 - POSD Drydock Dredging/Moorage*.** This project element involves dredging and replacement of the mooring dolphins that hold the POSD drydock in place. The moored drydock will be shifted west approximately 100 feet. Relocation of the drydock sump will require dredging to -70 feet with the removal of approximately 92,800 cubic yards of material, including 2 feet of over depth, with disposal of dredge material at an approved Ocean Dredge Material Disposal Site (anticipated to be LA-5). This project element would also require the demolition and replacement of the existing two mooring dolphins. Demolition of the two mooring dolphins would result in the removal of twenty-six 18-inch square concrete piles and 85 cubic yards of concrete caps. Replacement of the two mooring dolphins would result in the installation of thirty-eight 24-inch octagonal precast concrete piles (nineteen 24-inch octagonal precast concrete piles within each of the two mooring dolphins) and 900 square feet of surface area (450 square feet of surface area per mooring dolphin).

***Element 2 - POSD Drydock Wharf Replacement/Realignment*.** This project element involves the demolition of 5,540 square feet of existing wharf structure and twenty 18-inch concrete piles. A 12,500 square foot cast-in-place deck on 73 precast octagonal and 6 precast concrete piles is proposed. The cast-in-place deck would also include an apron at the end of the drydock and a new pedestrian access ramp and support platform on the south side of the drydock.



Project Elements Map

Biological Services for BAE Systems Waterfront Improvement Projects

Figure 2

Element 3 - Fender System Repair and Replacement. Several locations within the BAE leasehold require installation of new fender systems (122 new steel H-pile) associated with previous and planned shoreline improvements. In addition, a fender pile replacement program is proposed as follows:

- Up to 39 pile replacements per year (approximately 5% of total installed post-project fender pile per year)
- All fenders are constructed of steel H-pile (HP 14x89)
- Construction (sizing of timbers) of above water timber components will be prefabricated upland to prevent timber debris from being introduced into the Bay.

Element 4 - Pier 3 South Nearshore Dredging. This project element includes the dredging of bay sediments (approximately 15,000 cubic yards) from the toe of the dredge sump to the limit line elevation of the new bulkhead. Dredged material is proposed to be placed into dredge scows with no stockpiling of material on site, and disposed at an upland location.

Element 5 - Pier 3 Mooring Dolphin. One new mooring dolphin is proposed to be located approximately 970 feet offshore (west) of the U.S. Bulkhead Line within State Lands Commission jurisdiction. Dimensions of the proposed mooring dolphin are 16 feet by 20 feet with a 3 foot thick concrete deck. The proposed mooring dolphin would be supported by eight 24-inch concrete octagonal piles and outfitted with two 150-ton double bitts. Sixteen steel H-pile fenders, whalers, and chocks are proposed to be installed around the perimeter of the proposed dolphin.

Element 6 - Pier 3 Lunchroom Wharf Replacement/Realignment. This project element involves the removal and replacement of a 3,510 square foot over-water structure (including the existing employee lunchroom and foundation). Removal of the existing over-water structure would require the removal of twenty-six 12-inch concrete pilings. The Pier 3 Lunchroom Wharf Replacement would require the installation of forty-eight 24-inch octagonal pre-cast concrete pilings and the installation of 8,800 sf of cast-in-place decking (including edge berm and stormwater collection).

Element 7 - Quay wall Modifications at South End of Property. This project element involves the installation of up to 50 lineal feet of a submerged sheet pile structure and the removal of 300 cubic yards of rock (dredging) and 500 cubic yards of sediment in the immediate vicinity of the submerged sheet pile structure, which would be disposed at an upland location.

Element 8 - Port Security Barrier (PSB) Replacement. This project element involves the replacement of the existing PSB per new Navy security requirements with the intent of providing a physical deterrent to approaching a U.S. Navy ship. The removal/replacement of existing floating boom and the removal/replacement of weighted anchors to hold the system in place would occur.

Element 9 - Small Boat Mooring Float Replacement. This project element involves the removal and replacement of the existing small boat mooring float (320 square feet). Removal of four piles supporting the float is proposed. Replacement of an aged timber moorage float system with a concrete float (400 square feet) and installation of four 18-inch round precast concrete piling is proposed.

Element 10 - Central Tool Room Demolition/Replacement. This project element involves the demolition of the current Central Tool Room located at the foot of Pier 3. The 3-story replacement

structure will provide approximately 21,900 square feet of functional work space within a 7,300 square foot building footprint. The Central Tool Room would be relocated to the proposed wharf replacement. The proposed new structure would also replace the existing Pier 3 restroom facility currently located on the existing Pier 3 North wharf.

***Element 11 - New Production Building*.** This project element involves the demolition of an existing 17,675 square foot building and construction of a new production building at or near existing Buildings 6 or 7. The proposed 3-story production building will provide approximately 48,379 square feet of functional work space within a 16,475 square foot building footprint and would have a building height of up to 50 feet. The first floor (16,475 square feet) is envisioned for production uses and would be equipped with an interior overhead bridge crane. The second and third floors (15,952 square feet for each floor) are proposed to be used for engineering, production support and administrative functions. Demolition of the existing production area will yield 838 tons of building waste.

Element 12 - Administrative Office Building. This project element involves the elimination of temporary office trailers that currently function as the existing administration area and construction of a new administrative office building. The existing trailers occupy a floor space of 8,520 square feet and are assembled as 4 modular double or triple wide systems. The proposed 3-story administrative office building will provide approximately 46,000 square feet of functional work space within a 16,000 square foot building footprint and would have a building height of up to 55 feet. The first floor (16,000 square feet) is envisioned for production uses and includes a tool room and restroom. The second and third floors (14,000 square feet for each floor) are proposed to be used for office space. A second floor break area (2,000 square feet) is also proposed.

Element 13 - Pier 1 Restroom Renovation/Demolition. This project element involves reconfiguration and capacity changes to provide improved restroom facilities for workers. Enhancements would include water efficient fixtures, LED lighting, and other features to increase utility and efficiency. This structure will be retrofitted to increase the number of fixtures. However, upon completion of the proposed administrative office building, the Pier 1 restroom may be demolished.

Element 14 - Main Electrical Utility Service Upgrade. This project element proposes to increase the current service to the project site from 10 megawatts to approximately 12-15 megawatts. The service upgrade would also require the relocation of the existing electrical utility feed room from Building 13 to Building 65.

Element 15 - Sanitary and Potable Water Utility Service Upgrade. This project element includes investigation and construction of increased sanitary and potable water feeds from the local utility to serve the increased hotel service requirements of today's modern naval and commercial vessels.

The majority of the proposed work would take place within the Port District's jurisdiction (i.e., Elements 2, 3, 4, and 6–15). Two project elements are located either partially (Element 1) or entirely (Element 5) within State Lands Commission jurisdiction and are outside of the District's Tidelands. BAE Systems will apply directly to State Lands Commission and the California Coastal Commission for authorization and entitlements for portions of Project Elements 1 and 5 within non-District jurisdiction.

Construction of the proposed project is anticipated to begin in 2019 with the Quay Wall Modifications (Element 7) and last through December 2024. Construction of each element would not be performed sequentially as numbered in Figure 2, and construction of several elements may proceed concurrently. Construction activities would occur between 7 a.m. and 7 p.m. in compliance with the City of San Diego noise ordinance (Municipal Code Section 59.5.0404). However, dredging operations would occur 24 hours a day, 7 days per week for the duration of dredging activities. Table 1 lists the project elements in chronological order and provides the anticipated timing, duration, and construction crew size of each element.

Table 1. Proposed Construction Schedule

#	Project Element	Schedule	Duration (months)	Crew Size
7	Quay Wall Modifications	Early 2019	1.00	10
14	Electric Utility Service Update	Early 2019	3.50	5
9	Small Boat Mooring Float Replacement	July 2019–August 2019	1.00	5
3	Fender System Repair and Replacement (If continuous)	August 2019–December 2019	4.10	6
5	Pier 3 Mooring Dolphin	November 2019–December 2019	1.25	5
4	Pier 3 South Nearshore Dredging	December 2019–January 2020	2.00	10
8	Post Security Barrier Replacement	May 2020–June 2020	2.00	6
6	Pier 3 Lunchroom Wharf Replacement and Realignment	August 2020–November 2020	3.50	7
1	Pride of San Diego Drydock Dredging and Moorage	February 2022–May 2022	3.25	12
2	Pride of San Diego Drydock Wharf Replacement and Realignment	February 2022–May 2022	3.25	13
15	Sanitary Sewer and Potable Water Utility Services	July 2022–September 2022	3.00	3
11	New Production Building	October 2022–July 2023	9.25	16
12	Administration Office Building	August 2023–May 2023	9.50	16
13	Pier 1 Restroom Renovation and/or Demolition	March 2024–April 2024	1.00	10
10	Central Tool Room Demolition and Reconstruction	June 2024–December 2024	7.00	13
Note: The project construction schedule has been structured to minimize where feasible in-water work during the California Least Tern nesting/foraging season.				

The in-water construction activities require specific types of construction equipment, including a floating crane barge, used to drive concrete piles; deck barges for delivery and storage materials; and tug boats for moving equipment, the drydock, and vessels. The landside construction activities would require the use of equipment such as an 80-ton land-based mobile crane, trucks for delivery of pile and construction materials, forklifts for support, a drilling rig, impact hammer, and vibratory hammer. Some additional equipment would include concrete trucks for pouring concrete structures, and trucks to deliver construction materials. Generally, construction materials anticipated to be used for the proposed project consist of rebar, structural steel, concrete, electrical and mechanical systems, tools, and equipment. General construction stages would require one or more of the following equipment, as identified in Table 2.

Table 2. Anticipated Construction Equipment

Construction Stage	Equipment
Dredging	A dredge crane on a barge Scow/barge Dump truck Runoff control features and containment structures Tug boat Survey vessel Tractor/loader/backhoe
Demolition of Existing Structures	Crane Forklift Miscellaneous construction equipment Other material handling equipment Welders Generator Tractor/loader/backhoe Tug boat
Construction	Crane Forklifts Miscellaneous construction equipment Other material handling equipment Welders Generators

3.0 PROJECT REGULATORY REQUIREMENTS

The proposed project is subject to the following regulations.

3.1 FEDERAL REGULATIONS

Clean Water Act

The federal Water Pollution Control Act Amendments of 1972 (33 United States Code [USC] 1251–1376), as amended by the Water Quality Act of 1987, and better known as the CWA, is the major federal legislation governing water quality. The purpose of the federal CWA is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." Discharges into waters of the United States are regulated under CWA Section 404. Waters of the United States include: 1) all navigable waters (including all waters subject to the ebb and flow of the tide); 2) all interstate waters and wetlands; 3) all other waters, such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sand flats, wetlands, sloughs, or natural ponds; 4) all impoundments of waters mentioned above; 5) all tributaries to waters mentioned above; 6) the territorial seas; and 7) all wetlands adjacent to waters mentioned above. Important applicable sections of the CWA are discussed below:

- Section 401 requires an applicant for any federal permit that proposes an activity that may result in a discharge to waters of the United States to obtain certification from the state that the discharge will comply with other provisions of the CWA. Certification is provided by the respective Regional Water Quality Control Board (RWQCB). A Section 401 permit from the SWRCB (State Water Resources Control Board) or RWQCB-SDR would be required for issuance of a permit by the U.S. Army Corps of Engineers (USACE).
- Section 404 regulates the discharge of dredged or fill materials to waters of the U.S. and provides for issuance of permits by the USACE.

Rivers and Harbors Appropriation Act

The Rivers and Harbors Appropriation Act of 1899 (33 USC 403), commonly known as the Rivers and Harbors Act (R&HA), prohibits the construction of any bridge, dam, dike, or causeway over or in navigable waterways of the United States without congressional approval. Under R&HA Section 10, the USACE is authorized to permit structures in or over navigable waters. Building or modifying wharves, piers, jetties, and other structures in or over the waters of the San Diego coastline requires USACE approval through the Section 10 permit process.

Endangered Species Act

The Endangered Species Act (ESA) protects plants and wildlife that are listed as endangered or threatened by the U.S. Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS). ESA Section 9 prohibits the taking of endangered wildlife, where taking is defined as to "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in such conduct" (50 Code of Federal Regulations [CFR] 17.3). The term "harm" is defined as an "act which actually kills or injures wildlife," including through "significant habitat modification or degradation that significantly impairs essential behavioral patterns of fish or wildlife." The term "harass" means an act or omission which creates the likelihood of injury to wildlife by annoying it to such an extent as to significantly disrupt normal behavioral patterns, including breeding, feeding or sheltering (50 CFR 17.3). For plants, this statute governs removing, possessing, maliciously damaging, or

destroying any endangered plant on federal land, as well as removing, cutting, digging up, damaging, or destroying any endangered plant on non-federal land in knowing violation of state law. Under ESA Section 7, lead federal agencies are required to consult with the USFWS or NMFS if the lead agency determines that its actions, including permit approvals or funding, may adversely affect an endangered species (including plants) or its critical habitat. Through consultation and the issuance of a biological opinion, the USFWS or NMFS may issue an incidental take statement allowing take of the species that is incidental to another authorized activity, provided the action will not jeopardize the continued existence of the species. In cases where the federal agency determines its action may affect, but would be unlikely to adversely affect, a federally listed species, the agency may choose to informally consult with the USFWS and/or NMFS. This informal consultation typically involves incorporating measures intended to ensure effects would not be adverse. Concurrence from the USFWS and/or NMFS concludes the informal process. Without such concurrence, the federal agency may formally consult to ensure full compliance with the ESA.

Marine Mammal Protection Act

The Marine Mammal Protection Act of 1972 (MMPA) prohibits, with certain exceptions, the take of marine mammals in United States waters and by United States citizens on the high seas and the importation of marine mammals and marine mammal products into the United States. Under the MMPA, "take" is defined as "to harass, hunt, capture, or kill, or attempt to harass, hunt, capture, or kill any marine mammal" (16 U.S.C. 1362) and further defined by regulation (50 CFR 216.3) as "to harass, hunt, capture, collect, or kill, or attempt to harass, hunt, capture, collect, or kill any marine mammal". NMFS administers the MMPA. Under the 1994 Amendments to the MMPA, harassment is statutorily defined as any act of pursuit, torment, or annoyance which:

- ***(Level A Harassment)*** has the potential to injure a marine mammal or marine mammal stock in the wild; or,
- ***(Level B Harassment)*** has the potential to disturb a marine mammal or marine mammal stock in the wild by causing disruption of behavioral patterns, including, but not limited to, migration, breathing, nursing, breeding, feeding, or sheltering but which does not have the potential to injure a marine mammal or marine mammal stock in the wild.

Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) prohibits take of nearly all birds where members of the bird's taxonomic family are considered to be migratory. This results in the inclusion of most species of birds afforded protection. Under the MBTA, take means only to kill, directly harm, or destroy individuals, eggs, or nests, or to otherwise cause failure of an ongoing nesting effort.

Magnuson-Stevens Fishery Conservation and Management Act

The Magnuson-Stevens Fishery Conservation and Management Act (MSA) of 1976 was established to promote domestic and commercial fishing under sound conservation and management principles. National Marine Fisheries Service (NMFS), as a branch of the National Oceanic and Atmospheric Administration (NOAA), implements the act via eight regional fisheries management councils (FMCs). The FMCs in turn prepare and implement fishery management plans (FMPs) in accordance with local conditions. The Pacific FMC is responsible for the Pacific region, in which the Project site is located. The FMPs also establish EFH for the species they manage and require consultation with NMFS for actions that may adversely affect EFH. Following receipt of an EFH,

NMFS will provide EFH Conservation Recommendations to the lead agency detailing measures that may be taken by the agency to conserve EFH. Within 30 days of receipt of EFH Conservation Recommendation, the project lead agency must respond in writing, including a description of measures proposed by the agency for avoiding, mitigating, or offsetting the impact of the activity on EFH. These measures will be incorporated into the final project.

3.2 STATE REGULATIONS

California Coastal Act

The California Coastal Act (CCA) is intended to provide protection of the unique nature and public interest values of the state's coastal fringe. The CCA is implemented by the District for the land and water within its jurisdiction, subject to oversight by California Coastal Commission (CCC). The CCA recognizes California ports and harbors as primary economic elements of the national maritime industry. Within the Port of San Diego, the District administers the CCA under an adopted Port Master Plan and updates to the Port Master Plan that require concurrence from the CCC. Land and waters outside of the District's Port Master Plan are administered by the CCC or by local jurisdictions operating under adopted Local Coastal Programs that have been approved by the CCC.

California Endangered Species Act

The California Endangered Species Act (CESA) authorizes the California Fish and Game Commission to designate endangered, threatened, and rare species and to regulate the taking of these species (California Fish and Game Code [FGC] Sections 2050–2098). The CESA defines endangered species as those whose continued existence in California is jeopardized. State-listed threatened species are those not presently facing extinction, but that may become endangered in the foreseeable future. FGC Section 2080 prohibits the taking of state-listed plants and animals. Unlike the federal ESA, the CESA does not include harassment within its take definition and as such, has a statutorily higher threshold standard for take than does the federal ESA. The California Department of Fish and Wildlife (CDFW) also designates fully protected or protected species as those that may not be taken or possessed without a permit from the California Fish and Game Commission and/or CDFW. Species designated as fully protected or protected may or may not be listed as endangered or threatened.

When a species is both state- and federally-listed, an expedited request for consistency with the USFWS biological opinion may be issued through a request for Section 2080.1 consistency determination, if take authorization under the CESA is required.

California Fish and Game Code

The FGC is implemented by the California Fish and Game Commission, as authorized by Article IV, Section 20, of the Constitution of the State of California. FGC Sections 3503, 3503.5, 3505, 3800, and 3801.6 protect all native birds, birds of prey, and nongame birds, including their eggs and nests, that are not already listed as fully protected and that occur naturally within the state. Section 3503.5 specifically states that it is unlawful to take, possess, or destroy any raptors (e.g., hawks, owls, eagles, and falcons), including their nests or eggs. As defined in the Fish and Game Code, "take" means to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill (Fish and Game Code Section 86). The CDFW is the state agency that manages native fish, wildlife, plant species, and natural communities for their ecological value and their benefits to

people. The CDFW oversees the management of marine species through several programs, some in coordination with NMFS and other agencies.

3.3 LOCAL REGULATIONS

San Diego Unified Port District Port Master Plan

Through implementation of the Port Master Plan (PMP), the District maintains authority over tidelands and submerged lands conveyed in trust to the District by the California legislature. Any amendments to the PMP must be reviewed and certified by the CCC. Under the certified PMP, the District has the authority to issue Coastal Development Permits (CDPs) for projects within its jurisdiction.

San Diego Bay Integrated Natural Resources Management Plan

The District and U.S. Navy jointly implement the Integrated Natural Resources Management Plan (INRMP) (U.S. Navy 2013a). This long-term collaborative strategy for managing the Bay's natural resources provides planning guidance for good stewardship of the natural resources within San Diego Bay. The INRMP does not carry regulatory authority, but rather establishes a baywide plan for natural resource management that has been vetted by the regulatory agencies with land use authority over the Bay and a broad spectrum of stakeholders. The plan provides valuable guidance on siting of facilities, managing resources, and consideration of natural resource enhancement opportunities within the Bay.

4.0 ENVIRONMENTAL SETTING

The description of the environmental setting of the project below is based on existing biological information for San Diego Bay, including the San Diego Bay INRMP (U.S. Navy 2013a), and physical and biological surveys conducted for the proposed project on October 19 and 30, 2018, as well as extensive site investigations completed over the preceding years in association with other project activities conducted at the shipyard. Work was completed using interferometric sidescan sonar (ISS), which provided an image of seafloor backscatter within the entire project area. Sidescan backscatter data were acquired at a frequency of 468 kHz, with a scanning range of 31 meters (102 feet) for both the starboard and port channels, resulting in a 62 meters (204-foot) wide swath. All data were collected in latitude and longitude using the North American Datum of 1983 (NAD 83). The survey was conducted by running transects spaced to allow for overlap between adjoining sidescan swaths. Transect surveys were performed until the entirety of the survey area was captured in the survey record. Following completion of the survey, the data were converted into a geographically registered mosaic through digital post-processing, and plotted on a geo-rectified aerial image of the project area. Resources of interest were then digitized to show their distribution within the survey area. Interpretation of the backscatter data allowed for an assessment of the distribution of eelgrass (*Zostera marina*). Because of highly constrained conditions on the water with piers, booms, overhead lines, and vessels, complete eelgrass surveys by ISS were not possible and a second element of mapping was undertaken by using SCUBA divers and a tightly controlled 3 meter grid to map eelgrass within areas where access by vessel or acoustic swath survey was not possible. Given high water clarity and grid control, divers were able to view and map all of the eelgrass present in the survey area either by ISS or SCUBA diver observation or both.

Following the spatial mapping of eelgrass beds, SCUBA divers verified the mapping data and measured the density of actively growing leaf shoots by conducting leaf shoot counts within a 1/16th quadrat. Replicate quadrats were randomly placed within the eelgrass bed of the project and reference areas to obtain shoot density for the eelgrass beds.

In addition to surveys for eelgrass mapping under the CEMP, the SCUBA divers also swam along the bottom, shoreline, and pier and pile structures in order to characterize all habitats present within the project area.

The field surveys completed for this project were supplemented using results of similar work completed by M&A within the BAE Systems shipyard to ensure a complete characterization of the communities present within the project area. Projects specifically referenced for this analysis include the BAE Pier 4 Replacement Project (M&A 2012), North Shipyard Sediment Site Cleanup Project (M&A 2015a and 2015b), and the BAE Pier 1 North Drydock Project (M&A 2016).

4.1 HABITATS WITHIN THE PROJECT SITE

The INRMP differentiates habitats by depth, with intertidal habitat encompassing the area between +7.8 to -2.2 feet MLLW, shallow subtidal habitat between -2.2 and -12 feet MLLW, moderately deep subtidal habitat between -12 and -20 feet MLLW, and deep subtidal habitat deeper than -20 feet MLLW (U.S. Navy 2013a). Deep and moderately deep habitats maintain similar biological functions, while shallow habitat has the potential to support greater primary productivity, and overall greater

diversity of habitats and ecological communities. Given the developed nature of the project site, the Upland Transition and Upland Area were considered any area greater than +7.8 feet MLLW, and generally delineated by the bulkhead wall. It was not possible to clearly delineate the shallow subtidal habitat due to the lack of bathymetric data. Therefore, habitats were delineated into two categories: upland and in-water, with sub-categories classified if present. A summary of the various habitat types within the project site and a 200 foot buffer around the project site is provided in Table 3, depicted in Figure 3, and described in the following section.

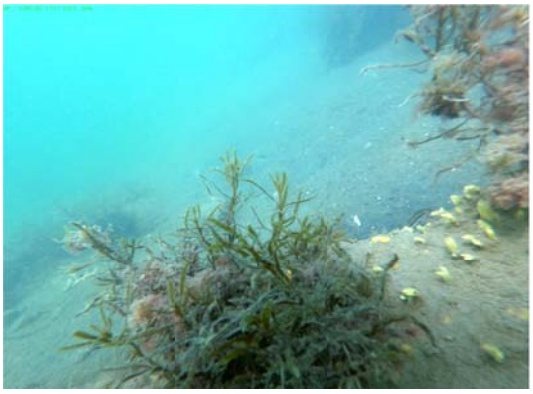
Table 3. Habitat Summary in Project Study Area.

Category	Habitat Type	Area (square feet)
Upland Habitat	Urban/Developed	1,190,171 sf (27.32 ac)
Marine Habitat	Unvegetated soft bottom	2,375,401 sf (54.53 ac)
	Rock revetment	19,585 sf (0.45 ac)
	Vegetated soft bottom (Eelgrass)	9,790 sf (0.22 ac) - vegetated cover 13,510 sf (0.31 ac) - areal extent 40,709 sf (0.93 ac) - spatial distribution 30,919 sf (0.71 ac) – unveg. spatial distribution 31.7% vegetated cover
Surface Cover	Piers and Docks	420,900 sf (9.66 ac)

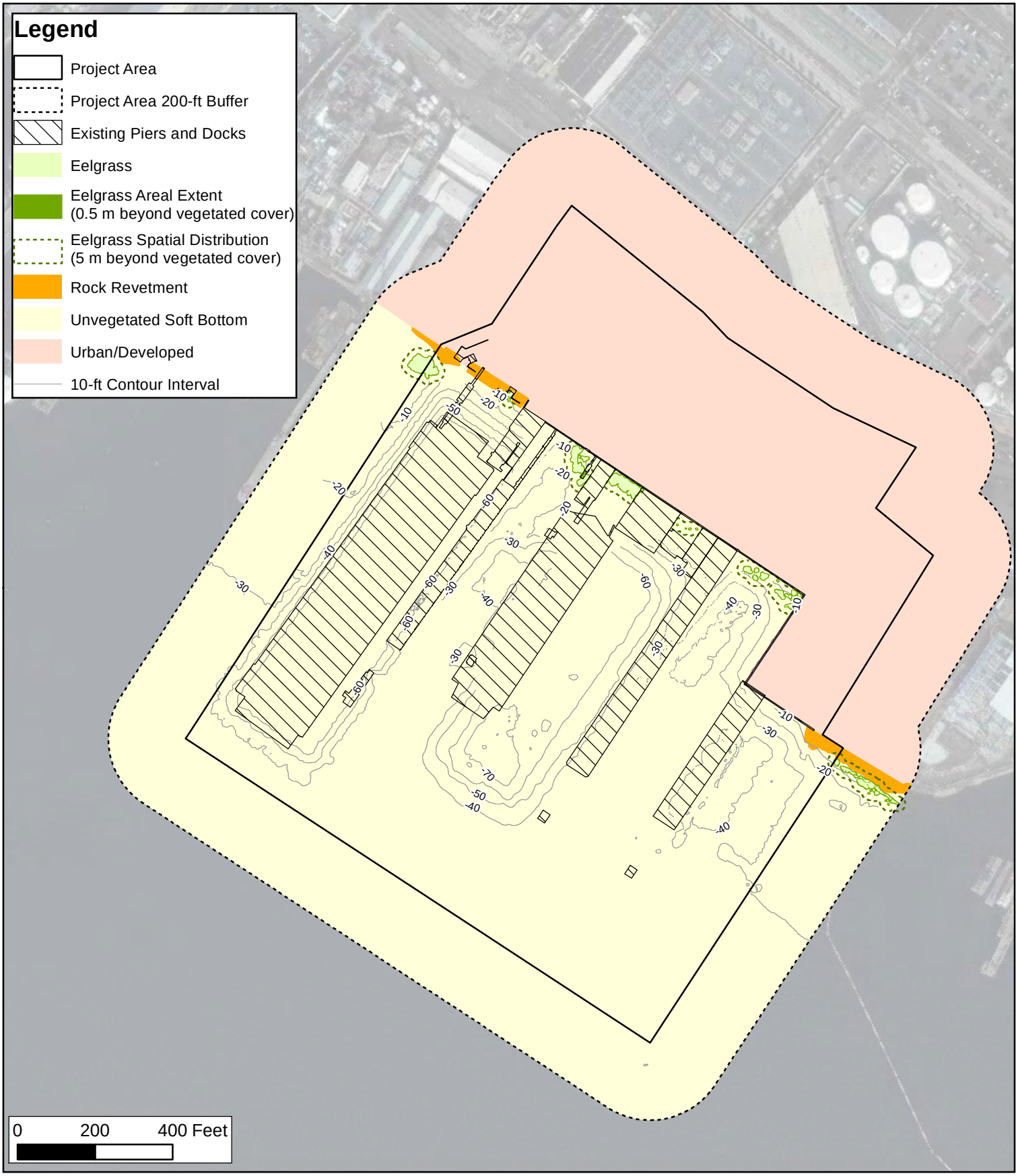
Spatial metrics reported are per CEMP (NOAA Fisheries WCR 2014) definitions.

Subtidal Unvegetated Habitat

Unvegetated soft bottom occurs throughout most of the BAE project site, with depths ranging from -2 feet to the deepest drydock sump at approximately -70 feet MLLW (Figure 3). Scattered within the soft bottom, particularly near piers, are scattered patches of isolated debris supporting macroalgae and sessile invertebrates. These features typically support an assemblage of native and non-native species. The majority of the project areas are considered to be deep or moderately deep subtidal habitat, with soft bottom consisting of sand, gravel, mud and silt, and some submerged debris (e.g. tire bumpers, scraps of metal, and biogenic debris including mollusk shell and calcareous bryozoan skeletons that provide structure to the fine sediment bottom near pier structures. Unvegetated soft bottom occurs under much of the existing piers, where shading and water depth prevent the growth of eelgrass.



Hard substrate rubble scattered in soft bottom habitat near existing shipyard structures. The rubble supports a mix of native and non-native species. In exposed shallow water algae is common, while under piers and in deeper water debris is generally covered in sessile macroinvertebrates and small mobile invertebrates, fish, such as the sandbass in this photo, are commonly associated with the rubble.



Exisitng Conditions
Biological Services for BAE Systems
Waterfront Improvement Projects

Figure 3

Although primarily bare, soft bottom in the shallow water area contains occasional clumps of red algae (*Gracilaria* spp.*, Ceramium* spp.), loose clumps of green algae (*Ulva* spp.), and commonly, a film of benthic diatoms forming mats over portions of the bottom. Patches of the invasive *Sargassum muticum* and *S. horneri* are also found on rubble piles, with the *S. horneri* being found deeper and more scattered than the *S. muticum*. The benthic algae, while providing little structure to the soft bottom habitat, does provide a food source for many invertebrates, provides carbon enrichment for detritivores, and produces oxygen during daylight hours.



Unvegetated soft bottom habitat with evidence of burrowing invertebrates, likely solitary tube-dwelling anemones, amphipods, and molluscs.

Fish species typically found in this habitat include round stingrays (*Urobatis halleri*), barred sand bass (*Paralabrax nebulifer*), spotted sand bass (*Paralabrax maculatofasciatus*), specklefin midshipman (*Porichthys myriaster*), black croaker (*Cheilotrema saturnum*), and gobies (Family Gobiidae). Invertebrates on the surface of this habitat are sparse, but evidence of burrowing invertebrate activity is apparent, likely from bivalves (*Chione* spp., *Macoma nasuta*), the amphipod (*Grandidierella japonica*), bay ghost shrimp (*Neotrypaea* spp.), burrowing anemones (*Harenactis attenuata*) and tube-dwelling anemones (*Pachycerianthus* spp.). Other invertebrates commonly observed within the BAE Systems waters include the opisthobranch (*Navanax inermis*), slender sea pen (*Stylatula elongata*), as well as calcareous bryozoans and the soft bryozoan *Zoobotryon verticillatum*. No evidence of the non-native and invasive Japanese mussel (*Musculista senhousia*) was observed. The occasional debris found on the bottom supports species more typical of hard substrates, including sponges (Phylum Porifera), scale worm (Family Polynoidae), golden gorgonion (*Muricea californica*), invasive non-native tunicates (*Styela plicata* and *Botrylloides* spp.), and spiny lobster *(Panulirus interruptus*).



Shallow soft bottom habitat around eelgrass seedlings. The oxygen production from diatom mats can be seen by the bubbles scattered over the bay floor.



In the deeper waters of the drydock sumps fine sediment and accumulated debris is common. Typical mud bottom is seen in this artificially illuminated photo. Fish observed included round rays and black croaker.

Subtidal Vegetated Habitat

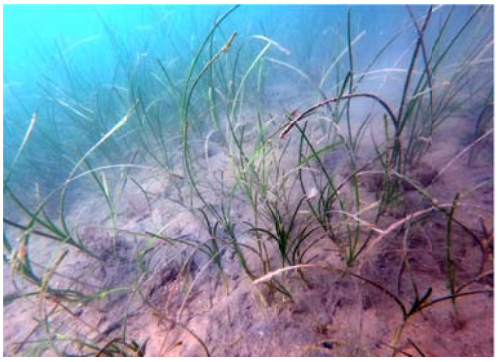
Vegetated subtidal habitats are an essential component of southern California's coastal marine environment. Vegetated shallows within the project area refer to beds of eelgrass (*Zostera marina*). Eelgrass beds function as important habitat for a variety of invertebrate, fish, and avian species. For many species, eelgrass beds are an essential biological habitat component for at least a portion of their life cycle, providing resting and feeding sites along the Pacific Flyway for avian species, and nursery sites for numerous species of fish. Eelgrass within the project site is interspersed with red algae

such as *Gracilaria verrucosa*, and green algae, such as *Ulva* spp. Typical fish species associated with eelgrass include pipefish (*Syngnathus* spp.), kelpfish (Family Clinidae), surfperch (Family Embiotocidae) as well as schooling fish such as topsmelt (*Atherinops affinis*) and anchovy (*Anchoa* spp.). In San Diego Bay eelgrass is typically restricted to tidal elevations of 0 feet MLLW or lower. In unconstrained areas, during winter months, as desiccation stress declines, eelgrass may spread into intertidal areas. Eelgrass then recedes away from the shore and into deeper waters as warmer summer weather increases likelihood of desiccation and higher light levels and longer day lengths occur. As a result eelgrass often exhibits a season oscillation in upper and lower margins within unconstrained environments.

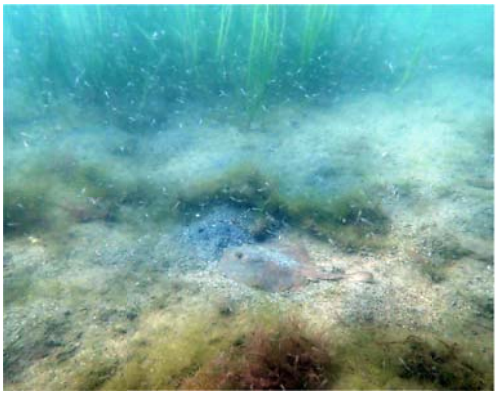
However, the eelgrass within the project area occurs within a vertically constrained environment with the upper elevation of the natural eelgrass range constrained by the presence of bulkheads and revetted slopes and the lower elevations within the range being constrained by steep dredged slopes to accommodate deep draft vessel berthing. As a result, eelgrass occurs along a narrow shoreline margin between overwater pier and dock structures. In addition, the eelgrass present in the shipyard is also of very recent origin. While the eelgrass occurs roughly within areas that have historically supported eelgrass, all of the eelgrass within the shipyard was removed in 2015 in association with the shipyard sediment remediation project. This prior eelgrass removal was fully mitigated within the south San Diego Bay eelgrass mitigation site under CEMP standards. The recent reoccurrence of eelgrass in the area is from seedling recruitment that occurred between late 2016 and 2018 with the most prolific recruitment likely occurring in 2018 based on widespread first year seedlings comprising the majority of the eelgrass inside the shipyard (Figure 3). In many cases eelgrass recruitment has been into gravelly sand cover material placed near the toes of revetment slopes. The one area of mature established eelgrass within the project area is located at the northwest margin of the BAE Systems San Diego Shipyard site were a small patch of eelgrass extends offsite to the west.



Scattered seedling eelgrass from 2018 germination was common in the shallow margins of the shipyard. Much of this had germinated into substrate supporting larger gravels that was placed during the shipyard sediment remediation project that had completely eliminated eelgrass from the shipyard.



In some areas, eelgrass was more extensive and likely reflects eelgrass that initially germinated in 2017.



Larval giant kelpfish (Heterostichus rostratus) were observed in swarms in and around the eelgrass near the shoreline. The unvegetated soft bottom continues to exhibit the coarse sand conditions from sediment remediation work completed in late 2015. Algae and round stingrays, sandbass and spiny lobster were common in these areas.

The survey of in-water habitats at the project site completed in October 2018 detected eelgrass in the shallow water of the project site (typically less than -12 feet MLLW) adjacent to rip rap revetment and along the bulkhead wall (Figure 3). At one location a small patch of seedling eelgrass extended to a depth of -18 feet; however, it is unlikely to persist at this depth through the winter. The vegetated cover of eelgrass within the study area totaled 9,790 square feet (0.22 acre). The areal extent of eelgrass within the study area in October 2018 was 13,510 square feet (0.31 acre) and the spatial distribution was 40,709 square feet (0.93 acre) (Table 3).

As indicated, this eelgrass is recurrent within the same footprints previously mitigated in association with the shipyard sediment remediation project conducted under prior permit. Therefore for the present analysis, impacts to eelgrass are presumed to have been previously addressed and are not subject to additional mitigation.

Intertidal/Shallow Subtidal Riprap Revetments

The shoreline along the northern and southern portions of the project site is armored with concrete block riprap revetment that is mainly within intertidal elevations and extends down to shallow subtidal depths where it transitions to vegetated and unvegetated subtidal habitat. The intertidal riprap is generally free of macrofauna, but where invertebrate organisms were observed, these predominantly belonged to the phylum Mollusca, mainly represented by the native oyster (*Ostrea lurida*), non-native Pacific oyster (*Crassostrea gigas*), as well as arthropods including the lined shore crab (*Pachygrapsus crassipes*).



*California spiny lobster (*Panulirus interruptus*) is common in shoreline rubble at BAE Systems*

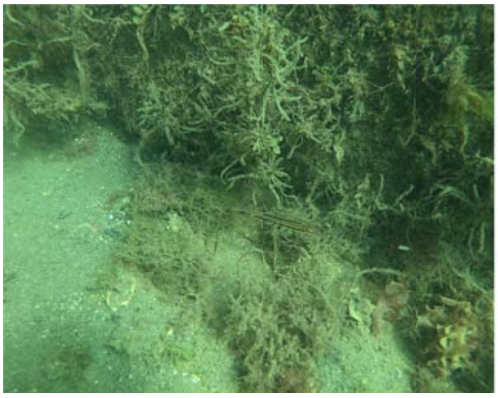
The subtidal riprap within the project site displayed more diversity of flora and fauna. Algal species observed subtidally included green alga (*Ulva* spp.) and brown algae including *Dictyota* spp*., Colpomenia* spp*.* and the non-native *Sargassum muticum*. Invertebrate species observed included encrusting sponges (*Haliclona* sp.), navanax, native and non-native Pacific oyster, spiny lobster, and bryozoans including *Zoobotryon verticillatum* and *Bugula neritina.* Fish species that are typical along subtidal portions of the riprap include topsmelt, round stingray, barred sand bass, kelp bass (*Paralabrax clathratus*), juvenile black croaker, black surfperch (*Embiotoca jacksoni*), and opaleye (*Girella nigricans*).



Shallow subtidal rip rap revetments contain numerous algal species including Ulva sp. *and* Dictyota sp*., and coralline algae (*Corallina sp.*).*

Vertical Bulkhead Wall

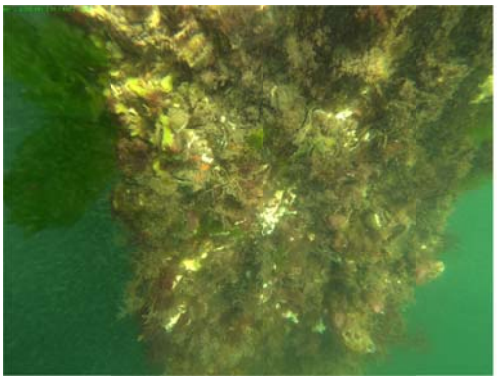
Vertical bulkhead wall occurs along the majority of the shoreline within the project site. Bulkhead walls do not provide the same structural complexity or void areas for sheltering marine organisms as does riprap. The fauna observed along the upper intertidal vertical bulkhead was limited to barnacles (*Balanus* spp., *Chthamalus* spp.) and non-native Pacific oyster. However, at the lower margins of the wall, algal growth and encrusting sessile invertebrate growth dominates the wall faces. In general the wall environments lack substantial relief; however, some of the walls have corrugated sheetpile relief and a greater structural complexity.



Base of vertical bulkhead wall showing algal and invertebrate cover within subtidal portions of the wall.

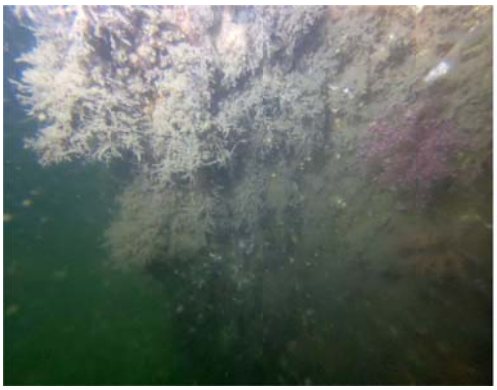
Pier Piles

Pier and wharf pilings provide habitat for an assemblage of organisms known as the fouling community. This community appears to attract schooling fish, which feed on the attached invertebrates and algae, and obtain refuge from predation (Glasby 1999). The species present and the overall complexity of the fouling community on pier pilings are dependent upon a number of factors including tidal elevation and inundation time, light availability, wave exposure, and size and shape of the pilings themselves (Connell and Glasby 1999, Connell 2001). While several studies indicate that man-made marinas do not support the same complexity of organisms as do natural reefs, it is apparent that pier pilings in coastal marinas do provide habitat value for fouling communities and associated fish assemblages (Clynick 2008). Piles exposed to greater circulation and higher light levels tend to support the most complex and productive communities. This is the case in the project area where piles on exposed sides supported more diverse encrusting communities.



*The upper portion of the pier piles are dominated by barnacles (*Balanus *spp.), native and non-native Pacific oyster (*Ostrea lurida *and* Crassostrea gigas*), and mussel (*Mytilus galloprovincialis*). Below the intertidal zone fouling tunicates, sponges, and bryozoans become dominant. Dominant species include coralline and red algae, sponges (Phylum Porifera), and tunicates including* Styela clava, Styela plicata*, and* Botrylloides *spp.*

The pier piles in the project site support numerous species of sessile, or sedentary, invertebrates. At the highest tidal elevations, the pilings are dominated by barnacles (*Chthamalus* spp., *Balanus* spp.). At lower tidal elevations, the native oyster, and Mediterranean mussel (*Mytilus galloprovincialis*) are dominant. Other invertebrates include non-native oyster, sponges (Phylum Porifera), multiple species of tunicates including *Styela clava*, *Ciona* spp., and *Botrylloides* sp., hard and soft bryozoans, including the widespread invasive *Zoobotryon verticillatum*, and feather duster worms (Family Sabellidae). Mobile



The fouling community of on the lower piles is generally dominated by bryozoans and sponges with organisms that are tolerant of silt accumulation dominating the pile community.

observed on pier pilings. When established, these species can form vigorous stands and forms a thick canopy over the native biota (IUCN Invasive Species Specialist Group 2007).

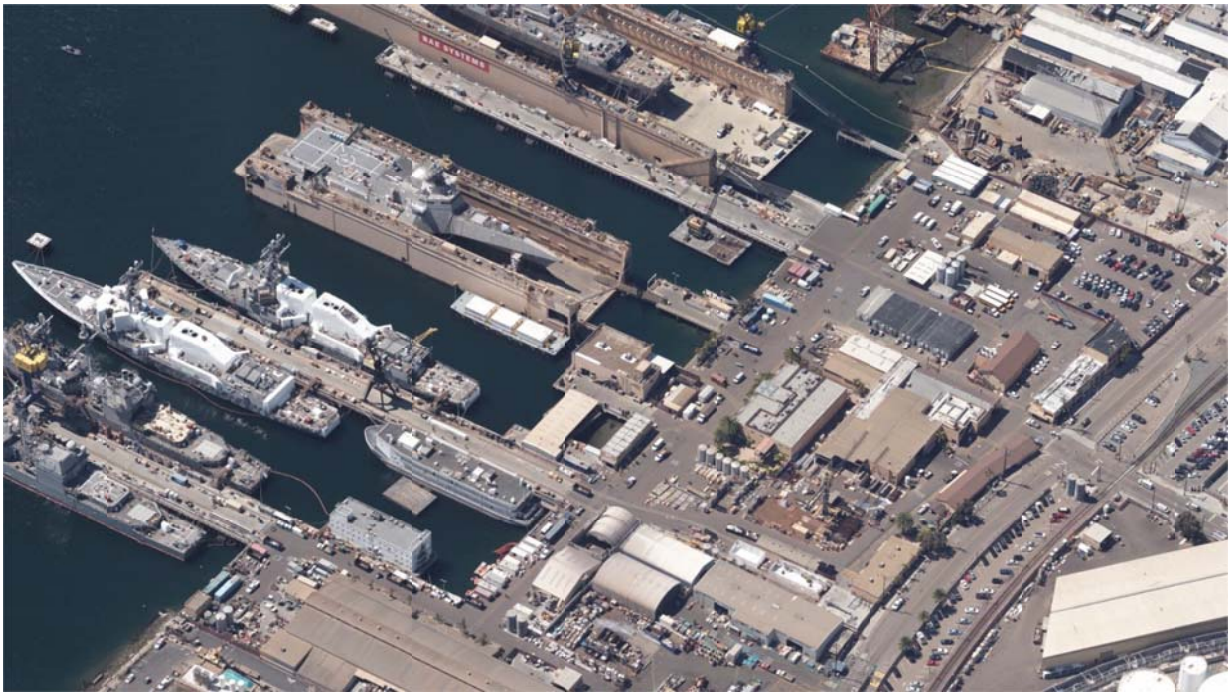
Open Water

Open water/water column habitat due to its three dimensional component, is the largest habitat type within the project site, and supports pelagic fishes and occasionally marine mammals. The most common schooling species known to occur within the project site are topsmelt along with northern and deepbody anchovy (*Engraulis mordax* and *Anchoa compressa*). The occurrence of these species in open water is important to several species of piscivorous birds including pelicans, terns, loons, grebes, cormorants, and mergansers. These fish also provide an important forage base for predatory fish species. In general, the open waters of the shipyard experience limited avian use due to the high level of activities and the high overhead structures of vessels, cranes, and piers that create a perceived threat for birds on the water. Schooling fish move through the area with the tides, but are generally funneled towards the high flow velocity areas in the channel to the west of the site. Within the shipyard, schooling topsmelt are common around the piers where they aggregate by the structures.

Upland Transition and Upland Areas

The upland transition and upland areas of the project site consist of highly developed lands and are completely surrounded by urban development, with vegetation being limited to very limited ornamental plantings. As such, upland resources are sparse and are limited to urban-tolerant and commensal species.

No special status wildlife species are expected to occur within the upland and transition areas of the project site. Wildlife species noted in the upland and transition areas consist primarily of common urban associated species and are dominated by avian fauna such as of mourning dove (*Zenaida macroura*), house finch (*Haemorhous mexicanus*), European starling (*Sturnus vulgaris*), American Crow (*Corvus brachyrhynchos*), rock pigeon (*Columba livia*), house sparrow (*Passer domesticus*) and western gull (*Larus occidentalis*). The western fence lizard (*Sceloporus occidentalis*) is the only reptile species likely to occur. Mammal species are limited to non-native rodent species such as house mouse (*Mus musculus*), Norway rat (*Rattus norvegicus*), and black rat (*Rattus rattus*). Additionally, two other common mammals often associated with urban development, racoon (*Procyon lotor*) and Virginia opossum (*Didelphis virginiana*), are also likely to occur within the upland areas of the project site.



An overview oblique aerial photograph shows the developed nature of the uplands within the study area. The site is nearly fully paved with only the northernmost lot being comprised of a gravel pad.



The photograph shows the most extensive collection of vegetated upland area within the shipyard. This consists principally of a variety of palm trees within raised planters.

No special status flora species are expected to occur in the upland areas. Observed vegetation is limited to ornamental and landscaped species such as palm trees (*Syagrus* sp., *Phoenix canariensis,* etc.), and bird of paradise (*Strelitzia* sp.).

Some upland areas have a potential to be utilized by other regionally common migratory birds that are not designated as special status species under CEQA, but are protected under the federal MBTA and California Fish and Game Code Sections 3503 and 3513. Avian species classified as migratory under the MBTA have a potential to nest within the study area. These include mourning dove, house finch, and western gull. Mourning dove generally construct nests of small twigs on a horizontal limb, in the crotch of a tree, or on secluded areas within urban structures in the absence of suitable trees or shrubs, with breeding occurring from late January through September. House finch build nests of fine weed and grass stems and leaves, as well as items such as string and feathers, in a variety of urban and non-urban areas, with breeding occurring from March to July. Western gull often utilize urban structures at suitable nest locations when cliff edges and natural locations are limited. In southern California, western gull will nest mainly from April to July.

4.2 WETLANDS AND SENSITIVE HABITATS

Wetlands, as defined by the USACE, are not present within the developed project site. The nearest wetlands to the project site are located on Delta Beach on the west side of the bay from the site at a distance of approximately 1.6 miles and the marshes of the San Diego Bay Wildlife Refuge, located approximately 3.5 miles south of the project site.

Eelgrass is a rooted aquatic plant that inhabits shallow soft bottom habitats in quiet waters of bays and estuaries, as well as sheltered coastal areas. It can form dense beds that provide substrate, food, and shelter for a variety of marine organisms. Eelgrass is considered a Submerged Aquatic Vegetation (SAV), and a "special aquatic site" under the CWA. Pursuant to the MSA, eelgrass is designated as a Habitat Area of Particular Concern (HAPC) within EFH for various federally-managed fish species within the Pacific Coast Groundfish Fisheries Management Plans (FMP) (NMFS 2008a). As noted in the Subtidal Vegetated Habitat section, a total of 9,790 square feet of eelgrass was present within the project site in October 2018.

4.3 WILDLIFE CORRIDORS

The project site does not provide any terrestrial movement corridors, and no marine mammal, reptile, or fish migratory corridors occur within the site. However, some marine fish species, such as anchovy, sardine, and topsmelt, move into and out of the Bay for spawning, nursery, and foraging. The southern portions of the Bay, including the South San Diego Bay National Wildlife Refuge and South Bay Salt Ponds further to the south, provide stopover habitat for migrating waterfowl and shorebirds. San Diego Bay, like all of California, is located within the Pacific Flyway.

Several whale species migrate along the coast of California, including the California gray whale (*Eschrichtius robustus*). The peak northward migration of male gray whales occurs in mid-March, followed two months later by the second migration wave, which is composed of cows and calves. Whales typically do not occur within the very shallow waters of south San Diego Bay, adjacent to the project site and their occurrence in the bay is generally a rarity.

4.4 SENSITIVE WILDLIFE

Table 4 identifies sensitive animal species known to occur in San Diego Bay, and identifies the likelihood of these species to occur within the project site. While several sensitive species are known to occur in south San Diego Bay and in the marshes adjacent to the Bay, few species are known to regularly occur within or immediately adjacent to the project site. Only two species listed by USFWS and/or CDFW as federally or state endangered or threatened have an elevated potential to occur within the project site: the federally threatened green sea turtle (*Chelonia mydas*) which has not been documented in the study area but which is known to move in and out of San Diego Bay and thus must pass by the project site, and the federally and state endangered California least tern (*Sternula antillarum browni*) which is known to occasionally forage in the study area as it regularly cruises the shorelines of San Diego Bay and forages opportunistically when in the Bay.

South San Diego Bay supports a population of eastern Pacific green sea turtles of between 16 and 61 individuals that primarily remain in the warm waters of south San Diego Bay, though some are known to leave the bay to nest on the beaches of offshore islands of Mexico (Eguchi et al. 2010). Long-term acoustic tagging and GPS tracking studies by NMFS indicate that the population has historically congregated in the warm waters of the cooling water discharge channel at the now closed South Bay Power Plant in south San Diego Bay. The shutdown of the South Bay Power Plant has made movements of turtles harder to predict. Recent tracking studies have noted turtles utilizing areas of San Diego Bay much farther north than their historically recognized foraging areas, but still primarily located south of the Sweetwater River Channel; recent tracking data indicates that turtles spend 95% of their time south of the Sweetwater River Channel (Bredvik et al 2015).

The California least tern nests along the west coast of North America, from Baja California, Mexico, north to the San Francisco Bay area. California least terns are seasonal residents of San Diego Bay, typically arriving in mid- to late-April to nest at several colonies adjacent to San Diego Bay, and are generally present through August, with September 15 marking the end of the season. Along the shores of the San Diego Bay, California least terns nest at multiple sites. The closest to the project site are the D Street Fill, the Chula Vista Wildlife Reserve, and along the South Bay Salt Works levees managed by the SDUPD and USFWS. These three sites are located approximately 3.5 miles, 4.3 miles, and 5.3 miles from the project site, respectively. California least terns actively forage for fish in the waters adjacent to nesting colonies in San Diego Bay, as well as in nearshore coastal waters outside of San Diego Bay. Given the duration of project, it is anticipated that some project construction elements would occur during the nesting season for California least tern; however, the construction schedule has been structured to minimize where feasible in-water work during the California least tern nesting/foraging season.

Finally, several species of marine mammals could occur in the bay (Table 4). California sea lion (*Zalophus californianus californianus*) and, to a lesser extent, Pacific harbor seal (*Phoca vitulina richardsi*) are the two most common species of marine mammals that occur in San Diego Bay and adjacent coastal waters. Neither species breeds within San Diego Bay, and both are only occasional visitors to central San Diego Bay. California sea lion may occasionally be observed adjacent to the project site, but Pacific harbor seal are not expected to occur. Over the course of 145 days of marine mammal monitoring from April to November 2016, only 7 sea lions were observed in proximity to the shipyard (Merkel & Associates 2017c). Dolphins and whales are rarely observed in the Bay, and are not anticipated to be present within the project site.

Table 4. Sensitive Species with Potential to Occur within the Project Site

Common Name	Scientific Name	Status	Occurrence in Project Site
Reptiles Green Sea Turtle	*Chelonia mydas*	FT	Low Potential – Resident population occurs in south San Diego Bay and individuals are known to leave the bay. They may travel through the project areas or more likely travel along the eelgrass vegetated western side of the bay.
Birds California Brown Pelican	*Pelecanus occidentalis californicus*	CDFW FP	High Potential – No nesting, roosts on security barrier, rip rap, docks, pilings, etc. at project site infrequently and typically in low numbers.
Double-crested Cormorant (nesting)	*Phalacrocorax auritus*	CDFW WL	High Potential – Nests in South Bay Salt Works but forages in open waters throughout the bay.
Northern harrier (nesting)	*Circus cyaneus*	CDFW SSC	Low Potential –- Nests in marshes in south bay and is uncommon on the urbanized east shore.
Osprey (nesting)	*Pandion haliaetus*	CDFW WL	Low Potential – Nests in south SD Bay and typically forages in the south bay.
American peregrine falcon (nesting)	*Falco peregrinus anatum*	CDFW FP, FWS BCC	Moderate Potential – Nests on tall structures such as the Coronado Bridge and may forage in the area on rare occasion.
California Least tern (nesting)	*Sternula antillarum browni*	SE, FE	High Potential – Nests on habitual colonies within San Diego Bay. The nearest colony is at Delta Beach on the west side of the bay located approximately 1.9 miles south west of the project area. Least terns are a migratory species found in the area from approximately April 1 through September 1 of each year.
Caspian tern (nesting)	*Hydroprogne caspia*	FWS BCC	Moderate Potential – Nests in South Bay Salt Works and forages along project site occasionally.
Black skimmer (nesting)	*Rynchops niger*	CDFW SSC	Moderate Potential – Nests in South Bay Salt Works and forages along project site occasionally.
Elegant tern (nesting)	*Thalasseus elegans*	CDFW WL	High Potential – Nests in South Bay Salt Works and forages along the project site.
Mammals Pacific harbor seal	*Phoca vitulina richardsi*	MMPA	Low Potential – Forages in north Bay and is uncommon in the mid bay.
California sea lion	*Zalophus californianus californianus*	MMPA	Moderate Potential – Forages and loafs in the north Bay with uncommon occurrences in the mid bay.
Coastal bottlenose dolphin	*Tursiops truncatus*	MMPA	Low Potential – Uncommon forager in deep channels of the north Bay. Rarely seen in mid and south SD Bay.
California gray whale	*Eschrichtius robustus*	MMPA	Very Low Potential – Regular migrant in offshore waters, but uncommon in Bay and nearshore waters. Very rarely seen in SD Bay.

SE – State Endangered; **FE** – Federally Endangered; **FT** – Federally Threatened; **CDFW SSC** – CDFW Species of Special Concern; **CDFW-FP** – CDFW Fully Protected Species; **CDFW-WL** – CDFW Watch List; **FWS-BCC** – USFWS Bird of Conservation Concern; **MMPA** – species protected by the Marine Mammal Protection Act

5.0 ESSENTIAL FISH HABITAT

5.1 ESSENTIAL FISH HABITAT BACKGROUND INFORMATION

The MSA requires federal action agencies to consult with NOAA's NMFS on all actions, or proposed actions, authorized, funded, or undertaken by the agency, that may adversely affect EFH. The EFH Guidelines (50 CFR 600.05 - 600.930) outline the process for federal agencies, NMFS and the Fishery Management Councils to satisfy the EFH consultation requirement under Section 305(b(2)-(4)) of the Magnuson-Stevens Act. As part of the EFH Consultation process, the guidelines require Federal action agencies to prepare a written EFH Assessment describing the effects of that action on EFH (50 CFR 600.920(e)(1)). The EFH Assessment is a necessary component for efficient and effective consultations between a federal action agency and NMFS. In the case of the present project, work proposed would require permitting under section 404 of the Clean Water Act and section 10 of the Rivers & Harbors Act. For these permit actions, the Army Corps of Engineers is the lead federal action agency.

Definitions

EFH consist of those waters and substrate necessary to fish for spawning, breeding, feeding or growth to maturity (16 U.S.C. 1802(10)). The following definitions apply to the sections of this document that address potential project impacts and protective measures:

- Waters include aquatic areas and their associated physical, chemical, and biological properties that are used by fish and may include aquatic areas historically used by fish where appropriate (50 CFR 600.10).
- Substrate includes sediment, hard bottom, structures underlying the waters, and associated biological communities (50 CFR 600.10).
- Necessary means the habitat required to support a sustainable fishery and the managed species' contribution to a healthy ecosystem (50 CFR 600.10).
- Healthy ecosystem means an ecosystem where ecological productive capacity is maintained, diversity of the flora and fauna is preserved, and the ecosystem retains the ability to regulate itself. Such an ecosystem should be similar to comparable, undisturbed ecosystems with regard to standing crop, productivity, nutrient dynamics, trophic structure, species richness, stability, resilience, contamination levels, and the frequency of diseased organisms (50 CFR 600.810(a)).
- Adverse effect means any impact that reduces quality and/or quantity of EFH. Adverse effects may include direct or indirect physical, chemical, or biological alterations of the waters or substrate and loss of, or injury to, benthic organisms, prey species and their habitat, and other ecosystem components, if such modifications reduce the quality and/or quantity of EFH. Adverse effects to EFH may result from actions occurring within EFH or outside of EFH and may include site-specific or habitat-wide impacts, including individual, cumulative, or synergistic consequences of actions (50 CFR 600.810(a)).

Habitat Areas of Particular Concern

EFH guidelines published in Federal regulations identify HAPC as types or areas of habitat within EFH that are identified based on one or more of the following considerations:

- The importance of the ecological function provided by the habitat.

- The extent to which the habitat is sensitive to human-induced environmental degradation.
- Whether, and to what extent, development activities are or will be stressing the habitat type.
- The rarity of the habitat type (50 CFR 600.815(a)(8)).

HAPCs considered potentially present within the project site include estuarine and seagrass habitat (NMFS 1999). Estuaries are protected nearshore areas such as bays, sounds, inlets, and river mouths, influenced by ocean and freshwater. Because of tidal cycles and freshwater runoff, salinity varies within estuaries and results in great diversity, offering freshwater, brackish and marine habitats within close proximity (NMFS 1999). Given the large scale of San Diego Bay combined with the limited freshwater and highly punctuated influence associated with creeks and drainage, the region of the bay within which the project is strongly dominated by marine influences and maintains year-round oceanic salinities and does not meet the estuary definition and the areas is not considered to be an estuary HAPC. Seagrasses are vascular plants, not seaweeds, forming dense beds of leafy shoots in the lower intertidal and subtidal areas. Eelgrass (*Zostera marina*) is seagrass found on soft-bottom substrates in intertidal and shallow subtidal areas of bays and estuaries as well as some coastal nearshore areas. Eelgrass is considered to be an HAPC present within the project area.

NMFS Managed Ichthyofauna Present in San Diego Bay

The ichthyofauna in San Diego Bay has been previously studied (M&A 2000, Allen 1999, Hoffman 2006). The first truly baywide seasonal study of fishes was published in April 1999, after five years of sampling (1994-1999). In 2005, a follow-up study to Allen's work was performed by Vantuna Research Group (VRG 2006 and 2009), using identical methods. To date, these studies have identified a minimum of 109 species of fish in San Diego Bay (U.S. Navy 2013a). The following analysis makes extensive use of Allen's and VRG's baywide survey data sets because they are both recent and comprehensive (surveys were completed quarterly, at four stations throughout San Diego Bay, utilizing six sampling gear types). The other studies reviewed for this analysis are utilized primarily to confirm the presence of fish species and to identify any additional species not captured during the baywide surveys.

Of these 109 species known to occur in San Diego Bay, eleven are managed by the NMFS under two Fishery Management Plans (FMPs) - the Coastal Pelagics and Pacific Groundfish Management Plans (Table 5) (NMFS 1998, PFMC 2016). Four of the five fish managed under the Coastal Pelagics FMP are represented in San Diego Bay. The northern anchovy and Pacific sardine (*Sardinops sagax*) are the most abundant pelagics identified by Allen, ranking 1st and 4th in abundance, and 3rd and 10th in biomass, respectively (Table 5). Together, these two species accounted for 46.3% of the total abundance and 11.6% of the total biomass of fish enumerated by Allen (1999). The Pacific mackerel (*Scomber japonicas*) and jack mackerel (*Trachurus symmetricus*) are the other two coastal pelagics to potentially occur within the project Site. These two species were much less abundant than the northern anchovy and Pacific sardine, and were ranked by Allen as 32nd and 52nd in total abundance and 24th and 73rd in total biomass, respectively. Together the two species accounted for less than 1% of total abundance and biomass of fish captured in Allen's study.

Table 5. Table of NMFS managed fish species previously found in San Diego Bay.*

Common Name	Scientific Name	Rank**	
		Abundance	Biomass
Coastal Pelagics FMP			
Northern Anchovy	*Engraulis mordax*	1st	3rd
Pacific Sardine	*Sardinops sagax*	4th	10th
Pacific Mackerel	*Scomber japonicus*	32nd	17th
Jack Mackerel	*Trachurus symmetricus*	52nd	29th
Pacific Groundfish FMP			
California Scorpionfish	*Scorpaena gutatta*	41st	24th
English Sole	*Parophrys vetulus*	76th	73rd
Leopard Shark	*Triakis semifasciata*	NC	NC
Soupfin Shark	*Galeorhinus zyopterus*	NC	NC
Spiny Dogfish	*Squalus acanthias*	NC	NC
Cabezon	*Scorpaenichthys marmoratus*	NC	NC
Grass Rockfish	*Sebastes rastrelliger*	NC	NC

*Data compiled from Allen (1999), Merkel & Associates (2000), Hoffman (2006), Vantuna (2006, 2009), and U.S. Navy (2013)

**Rank refers to the relative rankings among 78 fish species observed by Allen (1999). Ranks are for total abundance and biomass, respectively.

NC = Not Captured during Allen's 1999 study.

Of the 87 species managed under the Pacific Groundfish FMP (PFMC 2016), two have been found in San Diego Bay during the studies analyzed for this assessment: California scorpionfish and English sole (*Parophrys vetulus*). These species were observed only rarely in San Diego Bay during the five and a half years of Allen's study, ranking 41st and 76th by abundance and 24th and 73rd by biomass, respectively (Table 5). Together these two species accounted for less than 0.5% of the total abundance and biomass of fish captured (Allen 1999). In eighteen years of sampling in San Diego Bay, Hoffman (2006) never captured English sole and captured only four California scorpionfish, though the habitat sampled was not typical of scorpionfish or sole. In addition to the species captured during Allen's study, three species of shark and cabezon have also been reported for San Diego Bay; these species are also rarely captured and have been reported primarily as species taken by recreational fisherman (U.S. Navy 2013a). Finally, grass rockfish (*Sebastes rastrelliger*) comprised a single individual captured during baywide surveys in July 2005 (VRG 2006).

Biological Descriptions for Managed Species

The following descriptions of the life histories of the eleven managed species listed above provide the background information required to make a determination of the suitability of the project area to support and provide essential habitat for these species.

Northern anchovy

Northern anchovy historically ranged from the Queen Charlotte Islands, British Columbia south to Cape San Lucas, Baja California. More recently, populations have moved into the Gulf of California, Mexico. Larvae and juveniles are often abundant in nearshore areas and estuaries with adults being more oceanic. However, adults can be abundant in shallow nearshore areas and estuaries and eggs and larvae have been found offshore. Northern anchovy are non-migratory but do make extensive

inshore-offshore movements and along-shore movements. Spawning occurs throughout the year; in southern California, spawning occurs between January and May. Northern anchovy are one of the most abundant fish in the California current and are important prey for a variety of fish, birds, and marine mammals (Emmett et al. 1991).

Pacific sardine

Pacific sardine is a pelagic species. Individuals can be found in estuaries, but are most common in open coastal habitats and offshore. The Pacific sardine is wide ranging with sardines in the Alguhas, Benguela, California, Kuroshio, and Peru currents, and off New Zealand and Australia being considered the same species. Changes in distribution are common and linked to environmental conditions. In California, sardines are highly mobile and move seasonally. Older adults move from southern California and northern Baja spawning grounds to feeding grounds off the Pacific Northwest and Canada. Younger individuals (two to four years old) migrate to feeding grounds in central and northern California. Juveniles occur in nearshore habitats off northern Baja and southern California. Although numbers vary greatly, at times sardines are the most abundant fish species in the California current. In southern populations spawning occurs year-round with a peak from April to August between Point Conception and Magdalena Bay. Eggs and larva are found everywhere adults are found. Sardines are planktivores consuming both phytoplankton and zooplankton. They are themselves prey for a variety of predators. Eggs and larvae are consumed by numerous planktivores with juvenile and adults being consumed by a variety of fish, birds, and mammals (NMFS 1998).

Pacific mackerel

Pacific mackerel is a pelagic species. In the northeastern Pacific, Pacific mackerel range from Banderas Bay, Mexico to southeastern Alaska and usually occur within 20 miles of shore. Local populations spawn from Eureka, California south to Cabo San Lucas, Baja California with peak spawning occurring between late April and July. However, fecundity is more closely tied to sufficient food and environmental conditions than to season. Pacific mackerel larvae are predated by numerous invertebrate and vertebrate planktivores. Juveniles and adults are important prey for many large fishes, marine mammals, and birds. Due to their larger size, they are likely less important as forage than Pacific sardine or northern anchovy which are available to a wider variety of predators and are more abundant (NMFS 1998).

Jack mackerel

Jack mackerel is a schooling fish that ranges widely throughout the northeastern Pacific. Individuals are found along the mainland coasts to an offshore limit approximated by a line running from Cabo San Lucas, Baja California, to the eastern Aleutian Islands, Alaska. Typically, small jack mackerel (< 6 years of age) are most abundant near the mainland coast and islands in the Southern California Bight. Older individuals fill out the geographic range and are generally found offshore in deep water and along the coastline north of Point Conception, California. Jack mackerel spawn between February and October in California, with peak spawning activity between March and July. Larvae eat primarily copepods with the small jack mackerel found off southern California consuming large zooplankton, juvenile squid and anchovy. Jack mackerel are prey items for large predators such as tunas and billfish. They are likely only of minor significance as prey for marine birds because of the large size of adults and their deep schooling (NMFS 1998).

California scorpionfish

The California scorpionfish ranges from Santa Cruz, California south to Uncle Sam Bank, Baja California. It is a benthic species found in both sandy and rocky habitats. Individuals are predominantly solitary, but are known to aggregate near prominent features both natural and human-made. Young fish live in shallow habitats typically hidden within dense algae and bottom-encrusting organisms. Spawning occurs between May and September and peaks in July. Eggs are laid in a gelatinous mass that floats near the surface. The primary food items include juvenile crabs, small fishes (e.g. northern anchovy), octopus, isopods, and shrimps (NMFS 2008a).

English sole

English sole range from central Baja California to Unimak Island, Alaska. They occur in greatest numbers north of Point Conception, California. Juveniles are found in all Pacific coast estuaries from San Pedro Bay, California to Puget Sound with Elkhorn Slough, California being the southernmost estuary where they are abundant. Adults make limited movements with a northward migration in the spring to summer feeding grounds, returning in the fall. Spawning occurs over soft-bottom substrates at depths of 50-70 m. Spawning occurs between December and April for southern stocks. Eggs are buoyant and larvae are pelagic. Adults and juveniles prefer soft sand and mud bottoms generally in less than 12 m of water. Larvae are likely eaten by larger fishes, with juveniles falling prey to larger fishes, marine mammals, and birds. Adults may be eaten by marine mammals, sharks and other large fishes.

Leopard Shark

Leopard shark (*Triakis semifasciata*) are found from southern Oregon to Baja California, Mexico including the Gulf of California. They are most common in northern California bays and estuaries and along southern California beaches. They are also common in enclosed, muddy bays, and also reside in flat, sandy areas, mud flats, sandy and muddy bottoms, strewn with rocks near rocky reefs, and kelp beds. Leopard sharks are most common on or near the bottom in waters less than 13 feet deep, but have been caught as deep as 300 ft. They spawn and pup in shallow water. Seasonally, pups are along sandy beaches and in protected bays. A large grouping of this species is known to occur during summer months at La Jolla Shores Beach, north of San Diego Bay. The maximum recorded length of a leopard shark is six feet, but most do not exceed five feet in length. Females may take 10 to 15 years to reach maturity, while males may only take 7 to 13 years. The maximum age is reported to be 30 years. This species feeds on a variety of prey including crabs, clams, fish, and octopus. Leopard sharks are undoubtedly more common in San Diego Bay waters than capture data would suggest as this species commonly occurs in eelgrass beds and quiescent shallows and an aggregation of adult leopard sharks was observed along the Coronado First Avenue shoreline in 2005 (Merkel, pers. obs.).

Soupfin Shark

Soupfin shark (*Galeorhinus zyopterus*) range from northern British Columbia to Abreojos Point, Baja California and the Gulf of California. This shark is an abundant coastal-pelagic species of temperate continental and insular waters. They are often associated with the bottom, inhabiting bays and muddy shallows. Males and females apparently segregate by gender; adult males occur in deeper water and adult females occur closer inshore. Females and young tend to be more common in southern California waters. Primary nursery grounds are in southern California inshore areas south of Point Conception, with females moving in to bays to bear live young. Soupfin sharks are

opportunistic carnivores, preying upon moderate-sized bony fishes, echinoderms, shrimp, invertebrates and squid. This species is a rare species in San Diego Bay (U.S. Navy 2013a).

Spiny Dogfish

Spiny dogfish (*Squalus acanthias*) are found in temperate and subarctic latitudes in both the northern and southern hemispheres. In the northern and central Pacific Ocean, they occur from the Bering Sea to Baja California. Spiny dogfish typically inhabit waters less than 350 m deep and occur from the surface and intertidal areas to greater depths. The species is commonly found in inland seas, such as San Francisco Bay and Puget Sound, and in shallow bays from Alaska to central California. Mating with internal fertilization occurs on the ocean bottom between September and January. Adult females move inshore to shallow waters during the spring to release their young. Spiny dogfish are carnivorous scavengers. They are important predators on many commercial fishes and invertebrates. Their diet consists primarily of fish, especially sandlance, herring, smelts, cods, capelin, hake, and ratfish; and of invertebrates, particularly shrimp, crabs, worms, krill, squid, octopus, jellyfish, and sea cucumbers. Fish become a more important dietary source as the dogfish grow larger.

Cabezon

Cabezon (*Scorpaenichthys marmoratus*) are found in southeast Alaska to as far south as Punta Abreojos in central Baja California. They dwell primarily on hard bottoms in shallow water from intertidal pools to depths of 76 meters. Cabezon are abundant all year in estuarine and subtidal areas, as well as to mid-depths along the continental shelf. They are most abundant in estuaries of the West Coast, where all life stages can be found. Juveniles first appear in kelp canopies, tide pools, and other shallow rocky habitats such as breakwaters from April to June. Cabezon do not migrate and spend most of their time sitting in holes on reefs, in pools, or on kelp blades beneath the canopy, but not actively swimming. In shallow water they move in and out with the tide to feed. Their habit of sitting can make them an easy target for recreational divers. The spawning season for cabezon runs from late October to March and peaks in January in southern California. Juveniles and adults are carnivorous, feeding opportunistically. Small juveniles depend mainly on amphipods, shrimp, crabs, and other small crustaceans while adults consume crabs, small lobsters, mollusks (abalone, squid, octopus), small fish (including rockfishes), and fish eggs.

Grass Rockfish

Grass rockfish is a common, shallow-water rockfish found from Playa Maria Bay, Baja California to Yaquina Bay, Oregon, although they are most common south of southern Oregon. Grass rockfish have become an important component of the live-fish fishery. Among rockfishes, they have one of the shallowest and narrowest depth ranges. They are found from the intertidal zone to 184 feet, and are commonly found from the intertidal to 20 feet. Grass rockfish are common in nearshore rocky areas, along jetties, in kelp and in eelgrass. Around reef structures, adults may be found hiding in crevices. Larvae are released from January to March, with the peak release occurring in January. This species is expected to be very rare in San Diego Bay.

6.0 IMPACT ANALYSIS

The project site is similar to other industrialized areas within San Diego Bay with regard to distribution of habitats, biological features, and sediment characteristics. This analysis focuses on stressors associated with the proposed project elements and their potential impact to biological resources including in-water habitat (i.e., subtidal [vegetated and unvegetated] habitat, open water, intertidal/shallow subtidal riprap revetments, and pier piles) including sensitive habitats (e.g., eelgrass), upland habitat, wildlife corridors, and sensitive species within the project area.

Criteria for determining the significance of project-related impacts on biological resources are based on the resource's relative sensitivity and regional status, including the proportion of the resource that would be affected relative to its occurrence in the project region (San Diego Bay), the sensitivity of the resource to activities (e.g., noise or disturbance) associated with the proposed project, and the duration or ecological ramifications associated with the effect. Impacts are considered significant if they would results in:

- Degradation of critical habitat or reduction in the population size of a listed species (threatened or endangered);
- Degradation of rare or biologically valuable habitat;
- A measurable change in ecological function within the project vicinity;
- A measurable change in species composition or abundance beyond that of normal variability;
- A substantive loss of water surface area through fill or surface water coverage as a result of permanent structures such as docks, wharves, and permanently moored vessels. Small structures such as moorings, navigational aids, individual or widely spaced piles do not result in a substantive loss of water area; or
- An obstruction or alteration of circulation patterns that result in a discernable degradation of water mixing, circulation, or flushing to the extent that biota would be negatively affected in the system.

Impacts to habitats and wildlife can be measured as direct and/or indirect. Direct impacts are those that have a direct impact on habitats or wildlife and occur contemporaneously with the action. Direct impacts of in-water construction to wildlife include immediate physical and physiological impacts such as abrupt changes in behavior, flight response, diving, evading, flushing, cessation of feeding, and physical impairment or mortality. Direct impacts to habitats can include damage from construction activities, as well as permanent habitat loss due to project construction. In contrast, indirect impacts are effects that are caused by or will result from the proposed action at a later time, but are still reasonably certain to occur.

Project stressors (e.g., construction, dredging, pile removal and installation) are similar in nature although the magnitude or duration may vary based on the project element (e.g., both Element 1 and Element 4 require dredging, and while the method and equipment are expected to be similar, the duration may be different due to dredge volume). Since elements of the project will be phased over several years, the impacts are analyzed by habitat type and based on the potential stressor, and summarized for each element. In addition, various elements are considered including impacts from operations, as well as, construction of each element.

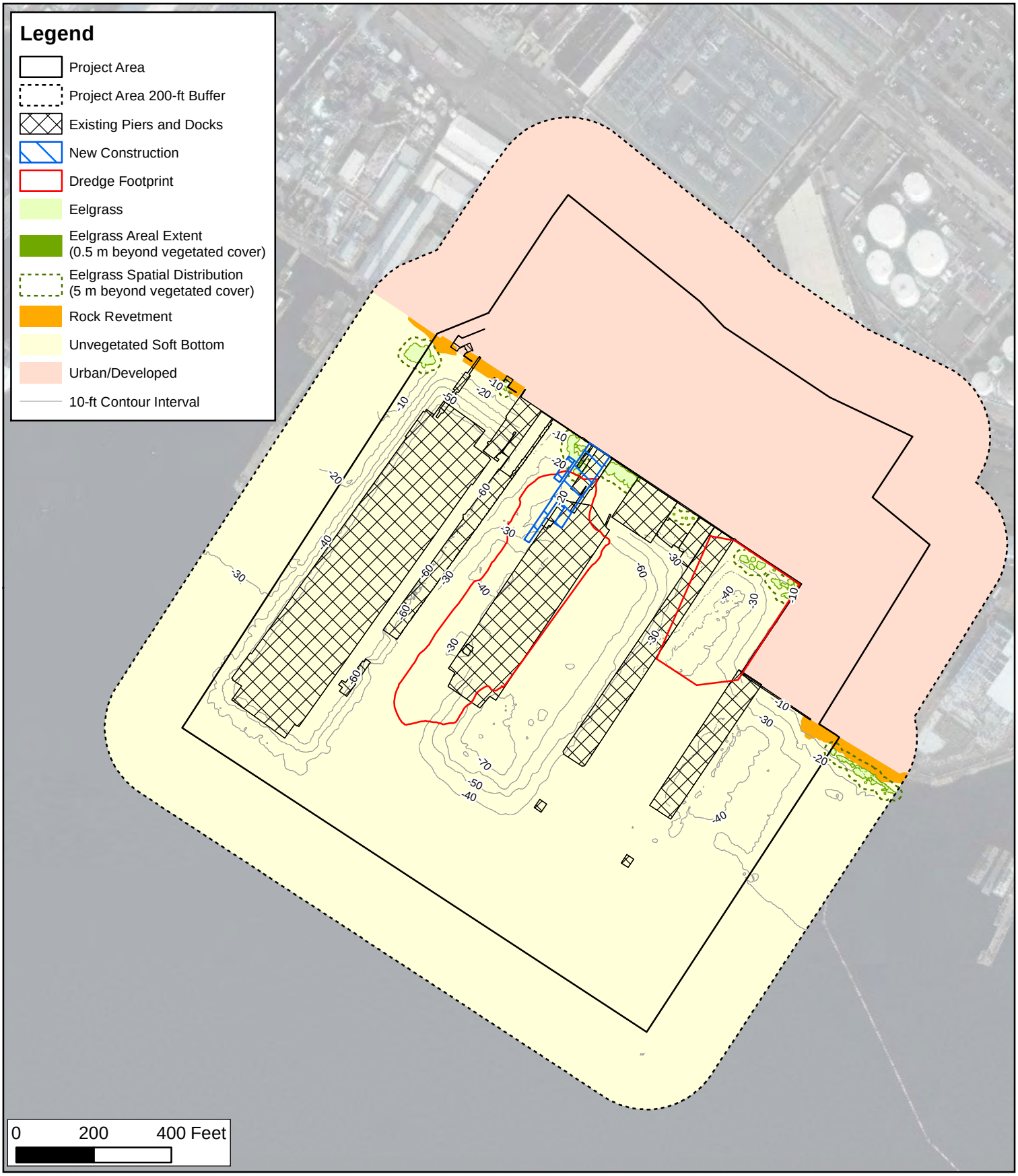
6.1 IN-WATER HABITAT AND EFH IMPACTS

Subtidal Unvegetated Habitat

Direct impacts to the benthic community would include the loss or mortality of any benthic infauna and epifauna within the pile driving/removal and dredge footprints. However, the impact area is relatively small (Table 6) compared to the amount of similar habitat within the bay (approximately 6,650 acres; U.S. Navy 2013a). There is considerable similar soft bottom habitat immediately adjacent to the project area, as well as throughout the bay (Figure 4). These comparable adjacent areas would be expected to provide alternative foraging habitat for opportunistic motile species during the period immediately following bottom disturbance associated with construction and dredging, and structural improvements including removing and replacing piles.

In addition, it is anticipated that the disturbed areas would be re-colonized immediately by adult migration from adjacent areas as well as the more protracted colonization by larval recruitment. A multi-year study completed in San Diego Bay concluded that the density and biomass of benthic infaunal invertebrates within a dredged area of San Diego Bay recovered within 5 months of dredging disturbance, with a full recovery of demersal fish and epibenthic species diversity being reached between 17 and 24 months post-disturbance (M&A 2009). As a result, the impact of in-water construction, dredging, pile removal and installation on the soft bottom benthic community is considered temporary and minimal.

The proposed project would also increase bay surface area coverage as noted in Table 6. It is estimated that Element 2 would increase surface cover by 6,960 square feet, Element 6 by 5,885 square feet, and Element 9 by 80 square feet, for a total of approximately 12,925 square feet. The permanent increase in bay coverage would be significant and would require mitigation. BAE has a surplus of eelgrass within the South Bay Mitigation Site constructed to mitigate eelgrass impacts from the shipyard sediment remediation project and bay coverage associated with the Pride of California Drydock (Pier 1 North Drydock) bay coverage . The South Bay eelgrass mitigation site was sized with surplus to ensure the mitigation needs of 5.57 acres of successful eelgrass were established for the prior project with reservation of any resultant surplus being applied to future project needs. The site was constructed to be 6.77 acres, and at the time of its 12-month review period (June 2018), the site supported 6.44 acres of eelgrass and is expected to be successful with a surplus of eelgrass. At the 12-month review period, the existing surplus of eelgrass was 0.87 acre (approximately 37,900 square feet) (M&A 2018). This is approximately 230 percent more than would be required to offset bay coverage impacts anticipated from the proposed work. While the ultimate area of successful eelgrass development within the mitigation areas is not known since the mitigation area is still early within its 5-year monitoring period, it is expected that the site will generate adequate eelgrass to offset the additional shipyard reconfiguration bay coverage impacts at a 1:1 ratio.



Waterfront Improvements
Biological Services for BAE Systems
Waterfront Improvement Projects

Figure 4

Table 6. Impact Summary Table for In-Water Elements

Project Element	Potential Stressor(s)	Impact Footprint (ft^2)	Dredge Volume (cy)	Area of Bay Coverage* (ft^2)	Pile Count**	Eelgrass Impacts*** (ft^2)
Element 1	In-water construction; Dredging; Pile removal and installation	Dredging-152,814 Dolphins-1800 Total-154,614	92,800	-900 +900 Net=0	-26 (18-in) +38 (24 in) Net=+12	--
Element 2	In-water construction; Pile removal and installation	12,500	--	-5,540 +12,500 Net=+6,960	-20 (18-in) +73 (24-in) +6 (18-in) Net=+59	477
Element 3	In-water construction; Pile removal and installation	--	--	--	-/+503 H-piles +122 H-piles Net=+122	--
Element 4	In-water construction; Dredging	Dredging-82,287	15,000	--	-	1,450
Element 5	In-water construction; Pile installation	900	--	--	+8 (24-in) +16 H-piles Net=+24	--
Element 6	In-water construction; Pile removal and installation	8,800	--	-/+ 3,510 -2,915 +8,800 Net=+5,885	-27 (12-in) +48 (24-in) Net=+21	--
Element 7	In-water construction; Dredging; Pile installation	50 linear feet	300 500	--	50 linear ft of AZ-26 sheetpile	--
Element 8	In-water construction;	3,500 linear ft Remove and replace existing boom	--	--	--	--
Element 9	In-water construction; Pile removal and installation;	400	--	-320 +400 Net=+80	+4 (18-in)	77
Cumulative Total		Dredging-235,101 Construction-249,826	108,600	+12,925	-/+ 576 piles Net +242 piles Net: approx. 25 sheet piles	2,004

*Negative numbers indicate a reduction in bay coverage or pile count. Positive number indicates an increase. -/+ indicates no net change since remove and replace.
**Pile counts are approximate and include all pile types present (e.g. concrete, steel); + indicates an increase; -/+ indicates remove and replace.
***Impacts associated with proposed project were mitigated under the shipyard sediment remediation project.
cy-cubic yards

The proposed project would also result in a net increase of 242 piles associated with the removal/replacement of existing piles (576 piles) and the installation of new piles associated with new structures (Table 6). That the placement of pier pilings to support structures such as docks, piers, and bridges is not typically considered to be bay fill (USACE 1990). The only instance where pilings are considered to be bay fill is when they are installed in a manner where they function specifically as fill material. In such an instance, piles result in significant changes in water circulation patterns. The proposed project does not include the installation of pilings to function as bay fill. The project site is in central San Diego Bay in an area of low water velocity. Water velocities in San Diego Bay peak in the narrower portion of the bay located northwest of the Coronado Bay Bridge, and then decrease as the Bay becomes wider southeast of the Bridge. Areas with low water velocities are less impacted by impediments (such as pier piles) placed in the field of flow. As a result, it is not anticipated that installation of the more additional piles would meaningfully alter water velocities, sedimentation rates, or circulation patterns in the bay. The installation of piles would result in a small decrease in subtidal unvegetated habitat; however, increased piles would be expected to increase the biological productivity of the area by providing greater primary substrate and increased exposure of organisms to the water column. At piles located near the edges of the pier and mooring dolphins, the communities would also benefit from increased primary productivity as a result of macroalgal growth. As a result the increase in the number of pier pilings is not considered to be a significant impact. The impacts associated with the removal and installation of piles is discussed in a separate subsequent section.

Of the managed fish species, unvegetated soft bottom habitat is only suitable for English sole and spiny dogfish. Due to the rarity or absence of these species from San Diego Bay, the impacts on subtidal unvegetated EFH and managed fish species are considered to be minimal with the concurrent surface coverage mitigation. The presence of structures and bay coverage would not be considered to be adverse alterations of the habitat with respect to California scorpionfish which preferentially occur on structures rather than soft bottom and which are commonly associated with manmade structures. However, this species would be expected to be uncommon

Subtidal Vegetated Habitat

Eelgrass vegetated habitats are an essential component of southern California's coastal marine environment. In the project site, eelgrass extends from the base of the riprap revetment and bulkhead wall to approximately -12 feet MLLW (Table 3 and Figure 3). The proposed project would impact approximately 2,004 square feet of eelgrass habitat (Figure 4), and generally the California Eelgrass Mitigation Policy would offer specific guidelines for appropriate responses and mitigation measures for activities that threaten eelgrass vegetated habitats (NMFS 2014). However, the recent Shipyard Sediment Abatement Project resulted in complete removal of eelgrass from the project site which was mitigated at the South Bay Eelgrass Mitigation Site. Therefore, no new mitigation is proposed since mitigation for impacts to these areas has been met, and any impact to existing eelgrass would not require mitigation.

It is worth noting the proximity of eelgrass off-site to the south of Element 7 Quay Wall Modifications on the NASSCO facility. This eelgrass area was impacted and mitigated similarly as that on the BAE site as part of the San Diego Shipyard Sediment Remediation – South Yard. However, eelgrass mitigation for the NASSCO facility was completed on-site near the BAE/NASSCO boundary and thus portions of the off-site eelgrass within proximity to Element 7 are mitigation

plantings for the prior impacts and thus do not fit within the previously mitigated impact class. The San Diego Shipyard Sediment Remediation – South Yard mitigation site located a distance of 78 feet from the BAE lease boundary and the southern end of Element 7. Surveys conducted under the CEMP using interferometric sidescan sonar would allow for mapping of eelgrass beds within 100 feet of the BAE leasehold boundary from within the BAE leasehold. However, direct site access to the adjacent eelgrass beds on NASSCO is also accommodated by the present security boom configuration between shipyards and on-going collaborative access relationships for environmental investigations along the common boundary.

Open water

As noted above, the proposed project would result in increased bay surface area coverage over open water habitat (12,925 square feet). This would decrease the foraging habitat available for piscivorous avian species. In addition, the proposed project would have temporary impacts to water quality and open water habitat. Temporary effects may include localized increases in turbidity and sedimentation, along with lowered dissolved oxygen levels associated with disturbance of anoxic sulfidic sediments during dredging activities and removal and installation of piles. This elevated turbidity could potentially temporarily affect the local foraging success of fish-foraging avian species. Many fish species are attracted to elevated turbidity, while others may avoid it. Given the short-term nature of construction and the localized area of work, the temporary impacts to open water would be considered less than significant. The permanent increase in bay coverage would be significant and would require mitigation, and as discussed previously, would be offset through the purchase of credits from a mitigation bank

Effects from dredging and pile removal and installation include temporary and localized increases in turbidity and sedimentation within the water column. Pile removal and driving is anticipated to affect a relatively small area of water through increased turbidity which would be localized and dissipate quickly following bottom disturbance. It is anticipated that the effects of these construction-related turbidity impacts on fish would be temporary and minor. Some species of demersal and pelagic fish would avoid construction areas, resulting in the displacement of, followed by post-construction re-colonization by these species. Some sedentary demersal fishes may be affected by the temporary increase in sediment loads within the water column during construction, while more opportunistic fish species would be expected to temporarily move into the dredging area to take advantage of suspended benthic prey organisms. These temporary changes in fish distribution are not expected to result in substantial adverse effects.

Intertidal/ Shallow Subtidal Riprap Revetment

The riprap revetment within the southern portion of the project site is planned to be removed and replaced with a vertical bulkhead wall (Element 7). This would result in permanent loss of riprap substrate due to bulkhead replacement (Table 6). The riprap habitat would be replaced by 50 feet of vertical bulkhead wall and sloping unvegetated subtidal soft bottom habitat.

Impacts to the riprap fish community would occur during riprap removal. Some fish would temporarily avoid the work area and move to adjacent riprap during construction due to turbidity and underwater pressure waves associated with the bulkhead sheet piling installation, while other species may be expected to form local feeding aggregations where encrusting communities are damaged by the work. More opportunistic fish species would be expected to temporarily move just

outside of the effective range of the impact, then immediately return to forage on the released or damaged biota. These temporary impacts are not considered to be significant given the continued wide availability of comparable intertidal and subtidal riprap habitat both up and downshore of the project site that would serve as a temporary refuge.

Bulkhead walls do not provide the same structural complexity or void areas for sheltering marine organisms as does riprap. The fouling or encrusting communities of invertebrates and algae present on bulkhead walls are more similar to that found on pier piles. In one study completed in San Diego Bay, the intertidal biota of bulkhead walls in the bay consisted of only a few species highly tolerant to desiccation such as barnacles (M&A 2010). The biomass and species richness increased in subtidal regions. Fish assemblages associated with bulkhead walls have not been studied. According to the M&A study, bulkheads could be expected to provide foraging opportunities to fish because of the associated fouling organisms, although their relative value is likely low. Bulkheads are typically adjacent to a variety of deep-water marine uses and, therefore, present no intertidal area other than the periodically exposed vertical face of the wall. However, the riprap revetment within the project site does not consist of loosely placed quarry rock, as is typical of riprap. Rather the riprap revetment within the project site consists of tightly placed concrete blocks, forming a relatively steep slope down to bay bottom. In some areas, this block has loosened to create crevices and structural complexity, while in other areas the riprap forms an almost vertical wall. As such, the existing riprap habitat is more similar to the vertical bulkhead wall than to typical quarry rock riprap-armored shoreline.

Because of this relatively low quality habitat function of the existing riprap, along with the increase in open water, subtidal unvegetated bottom, and associated habitat values resulting from removal of riprap revetment, impacts to intertidal and subtidal riprap revetment are not considered to be significant.

Piles

The proposed project would result in the removal/replacement of 576 existing piles and a net increase of 242 concrete piles and steel H piles associated with the work (Table 6). The potential project-related impacts associated with removal and installation of pier piles are temporary loss of habitat and forage opportunity for fish, and the physical effects of pile driving on fish. Impacts to other sensitive species are discussed in subsequent sections. Since piles are to be installed with a net increase in pile count and area, impacts are not anticipated to structure-oriented species, including California scorpionfish, which are generally associated with the pile and hard bottom communities. This species is managed by NMFS under the Pacific Groundfish Fishery Management Plan (NMFS 2008a); however, it is expected to be uncommon to rare in the vicinity of the project and thus work would not substantively affect scorpionfish, positively or negatively. The mud surrounding the bottom of the piles also supports a fish community comprised of black croaker, barred sandbass, spotted sandbass, kelp bass, and round stingrays (non-managed species). Spiny dogfish could also occur beneath the piers. Mud bottom would be disturbed during pile installation and removal, but It is anticipated that this impact would be temporary and that these species would quickly utilize the newly installed piles.

Following construction, any fouling algal and invertebrate pile community would be anticipated to rapidly colonize the new piles. Fouling organisms are typically rapid recruiters to newly available

space. While it may take a decade for piling communities to completely stablize (Butler and Connolly 1999), studies have shown that the epibiotic community on cleared or new hard substrate rapidy colonizes and achieves the same abundance and taxonomic diversity of adjacent undisturbed control areas within one to three years (Vance 1988, Pinn et al. 2005). Based on these results, it is anticipated that the piling community would be developed to the extent necessary to provide the full value of habitat presently represented at the site within a short time period. Therefore, these effects are considered to be minor and not significant.

Hydroacoustics

- *Biological In-water Noise Thresholds*

Another potential impact due to pile driving includes ensonification of the water as a result of impact hammer pile driving and vibratory hammer driving and pulling of piles. Ensonification can result in temporary and or permanent impacts to organisms in the water and may result in impacts to marine organisms where sound pressure levels are elevated either acutely or repetitively. Sound energy dissipates with distance from the source and the spread of the transmission. As the acoustic wave front passes, it creates a variation in pressure that can affect biological organisms through physiological sensations that trigger behavioral response, or in more severe cases through tissue and organ damaging concussive forces (Hastings and Popper 2005). Sound pressures are generally expressed as metrics of peak pressure (L_{peak}), root mean squared (rms), and sound exposure level (SEL). L_{peak} is the maximum sound pressure level reached from the passage of a single energy pulse. The RMS is the square root of the sum of squares of the pressure contained within the period of time containing 90 percent of the sound energy. The SEL is the constant sound level in one second that has the same amount of acoustic energy as the original time-varying sound (i.e., the total energy of an event). For pile driving, SEL is calculated by summing the cumulative pressures of a single energy pulse squared over the time of the event (Caltrans 2015). To calculate the total exposure from repeated events (e.g., multiple hammer blows), the Accumulated SEL (SEL_{cum}) is used and is largely a function of the defined time period and the number of ensonification events occurring during the time period and is calculated as SEL_{cum}= SEL + 10*log(# hammer strikes).

The MMPA regulates the "take" of marine mammals, including take through exposure to sound. For the purposes of the present analysis, there are two levels of take that are relevant. Take with the potential for injury is considered Level A take. Exposure to high intensity or prolonged sound at lower intensity may result in auditory threshold shifts (TS) wherein animals suffer from noise-induced loss of hearing over a portion or all of the animal's auditory range. The effects may be temporary threshold shifts (TTS) or permanent (PTS). Level B take may result in behavioral disruption but not injury. NMFS has developed technical guidance on sound characteristics that are likely to cause injury in marine mammals (NMFS 2016).

Dual criteria have been used to assess auditory injury (Level A harassment) within the NMFS Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (NMFS 2016). Under the technical guidance, differences in auditory frequency ranges and hearing sensitivity between marine mammals have been used to define five different hearing groups. These include low-frequency cetaceans (baleen whales), mid-frequency cetaceans (toothed whales and dolphins), high-frequency cetaceans (true porpoises, river dolphins, other), phocid pinnipeds (true seals), and otariid pinnipeds (sea lions and fur seals). For the present project, four of the hearing group thresholds are relevant. The gray whale, which is expected to be very rare within the bay, is

considered to a low-frequency cetacean. Gray whales are expected to have PTS onset thresholds at peak sound pressure levels of 219 dB re: 1 µPa or 183 dB re: 1µPa^{2}s for cumulative sound exposure level (SEL_{cum}) over a 24-hour period. Exposure to non-impulsive sounds (e.g. vibratory pile driving) is expected to result in onset of PTS at 199 dB re: 1µPa^{2}s. The bottlenose dolphin, a mid-frequency cetacean, is expected to experience the onset of PTS with impulsive noise (e.g., impact hammering) at peak sound pressure levels of 230 dB re: 1 µPa or 185 dB re: 1µPa^{2}s for cumulative sound exposure level (SEL_{cum}) over a 24-hour period. Exposure to non-impulsive sounds (e.g. vibratory pile driving) is expected to result in onset of PTS at 198 dB re: 1µPa^{2}s. For phocid pinnipeds, including harbor seal, the onset of PTS is expected with impulsive peak sound pressure levels of 218 dB re: 1 µPa or 185 dB re: 1µPa^{2}s SEL_{cum}. Sound levels resulting in the onset of PTS from non-impulsive underwater noise are assumed to be 201 dB re: 1µPa^{2}s. For otariid pinnipeds, including the California sea lion, the onset of PTS is expected with impulsive peak sound pressure levels of 232 dB re: 1 µPa or 203 dB re: 1µPa^{2}s. Sound levels resulting in the onset of PTS from non-impulsive underwater noise are assumed to be 219 dB re: 1µPa^{2}s (NMFS 2016 and 2018a) (Table 7). For calculation of distances from noise source to the outer boundary within which the PTS threshold is expected to be exceeded, NMFS' Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 2.0) Spreadsheet Tool was employed (NMFS 2018b).

Table 7. Thresholds of hydroacoustic sound pressure level exposure for the project.

Resource	Level of Effect	Impulsive Threshold Level*	Non-Impulsive Threshold Level*
Marine Mammal	Gray Whale – Low-frequency Cetacean (Level A – potential for injury) exposure	219 dB_{peak} 183 dB_{SELcum}	199 dB_{SELcum}
	Bottlenose Dolphin – Mid-frequency Cetacean (Level A – potential for injury) exposure	230 dB_{peak} 185 dB_{SELcum}	198 dB_{SELcum}
	Harbor Seal – Phocid Pinniped (Level A – potential for injury) exposure	218 dB_{peak} 185 dB_{SELcum}	201 dB_{SELcum}
	California Sea Lion – Otariid Pinniped (Level A – potential for injury) exposure	232 dB_{peak} 203 dB_{SELcum}	219 dB_{SELcum}
	Cetacean/Pinniped (Level B – behavioral) exposure	160dB_{rms}	120**dB_{rms}
Green Sea Turtle	Adaptive action trigger for impulsive noise exposure	160dB_{rms}	
	Potential harassment take from exposure	166dB_{rms}	
	Injury from sound exposures	190 dB_{rms}	190 dB_{rms}
Fish	Peak sound pressure levels at 10 m from source	206dB_{peak}	
	Daily accumulated sound exposure levels (fish ≥ 2 grams)	187dB_{SELcum}	
	Daily accumulated sound exposure levels (fish < 2 grams)	183dB_{SELcum}	

*Peak re: 1µPa, SEL re: 1µPa2sec, SELcum (SEL_{cum}= SEL + 10*log(# hammer strikes)
**The 120 dB threshold may be slightly adjusted if background noise levels are at or above this level.

The onset of behavioral disturbance from anthropogenic noise depends on multiple factors including both extrinsic and intrinsic factors. Further, marine mammals are known to rapidly habituate to noise and cease behavioral response rapidly once the threat level of the sound has been ascertained. This makes establishment of behavioral thresholds more complicated than

establishment of physiological thresholds that drive Level A take definition. For this reason, the current NMFS recommended levels of 160 dB_{rms} re 1 µPa for impulse noises (impact pile driving), and 120 dB_{rms} re 1 µPa for continuous noises (vibratory pile driving and removal) have been adopted as the acoustic level for onset of behavioral harassment (Table 7). Level B impact thresholds are the same for cetaceans and pinnipeds but differ by type of sound generation.

Other marine species of high concern may also be impacted by in water noise. These include green sea turtles. Green sea turtles would not commonly occur near the project area; however, should they be present at any time, they may be potentially exposed to construction related hydroacoustic impact. NMFS has not established specific in-water acoustic thresholds for green sea turtles; however, the U.S. Navy, in coordination with NOAA, developed standards for assessment of sound impacts to turtles for purposes of the Hawaii-Southern California Training and Testing Final EIS/OEIS (U.S. Navy 2013b). The document examined sound effects and sea turtle physiological literature in developing criteria for non-impulsive and impulsive noise sources. For sea turtles, the Navy established a threshold for injury from vibratory pile driving and impact driving at 190 dB_{rms}. Behavioral effects thresholds were noted to be more complex to establish than injury as there is limited data on turtle behavioral response to sound. In review of the literature, the lowest sound intensity stimulus that resulted in a behavioral response was 166 dB_{rms} that resulted in increased swimming activity in caged green and loggerhead sea turtles (McCay et al. 2000, as reported in U.S. Navy 2013b). However, it also appears from the literature that turtles become habituated to repeated exposures to sound. Under such circumstances, noises even as high as 179 dB_{rms} were tolerated by turtles without behavioral response when exposure became regular (Moein Bartol et al. 1995, as reported in U.S. Navy 2013b). Based on the available information, behavioral response by turtles to environmental ensonification is triggered at higher sound intensities than for marine mammals. Further, turtles exhibit a low frequency hearing range typically below 2kHz such that higher frequency sounds (such as from sonar) are generally omitted from audiologic sensors and thus would not be expected to result in behavioral response (U.S. Navy 2013b). As a result, the potential for behavioral response to sound is further limited to sounds at both elevated intensity and low frequency.

There are no widely adopted behavioral thresholds for sound impacts to turtles. For this reason, during consultation on acoustic impacts associated with the Pier 1 North Drydock, two thresholds below "injury" were developed for application to turtle presence in the work area proximity (M&A 2017a) and these are to be applied for the current project as well. Because the occurrence of green sea turtles in the central portion of San Diego Bay would be considered rare and the anticipated sound thresholds for behavioral impacts to green sea turtles are higher than for marine mammals, for expedience a conservative standard for monitoring for the presence of turtles has been adopted to employ the marine mammal behavioral harassment standards of 160 dB_{rms} to turtles as well as mammals. While monitoring for turtle presence will apply the lower sound pressure level threshold, avoidance of take of turtles is still based on the lack of turtle presence within the 166 dB_{rms} pressure level identified as having demonstrated behavioral response in green sea turtles (Table 7). The 166dB_{rms} sound pressure level would not be expected to be achieved much beyond the existing industrial eastern shore and deep channel environments of central bay

In 2008, NOAA Fisheries, USFWS, CDFW, and transportation agencies of California, Oregon, and Washington agreed to assess project effects using Interim Criteria for Injury to Fish from Pile Driving

Activities (Fisheries Hydroacoustics Working Group 2008). The interim criteria for assessment include both peak noise levels and accumulated sound exposure levels (SEL_{cum}). These are summarized in Table 7.

The interim criteria for fish were generally developed for endangered salmonids and are considered to be conservative indicating that the criteria are based on a potential for effect rather than a likelihood of effect. It should be noted that while the current interim criteria have not been replaced and stand as the only adopted standards, they were widely criticized at the time of adoption for being too conservative and not based on the best available science at the time (Carlson et al. 2007). Presently, there is considerable quantitative study data that suggests that for physiological effects, the cumulative exposure thresholds are lower than necessary to be protective. In studies of the effects of pile driving on the onset of physiologic injury to chinook salmon (Halvorsen et al., 2011a, b) and other species (Casper et al. 2011a) it has been demonstrated that an SEL_{cum} below approximately 207 dB re 1µPa2·s do not result in the onset of injury and that SEL_{cum} as high as 210 dB re 1µPa2·s produced physiological effects that were considered by the researchers as inconsequential. While the interim criteria remain the standard against which the present project is analyzed, it is important to acknowledge the extremely conservative nature of the thresholds as relevant to their establishment in the context of the "may affect" standard of the Endangered Species Act and has principally been used as a standard for consultation when endangered fish species are involved.

- *In-water Project Noise Levels*

The proposed project is expected to include driving of 18-inch and 24-inch prestressed concrete piles using a hydrojet-impact hammer methodology. The project is expected to drive AZ-26 steel sheetpiles with vibratory hammer methods and would be expected to drive 14-inch steel H fender piles by vibratory means with potential for some minimal impact driving of steel pilings being required.

Assumptions on pile driving activities were applied to develop cumulative SELs for the project against which sound exposure level impact thresholds could be evaluated. For the Pier 1 North Drydock, it was assumed that 5 24-inch octagonal concrete piles could be driven in a day and that the total number of repetitive impact pile strikes per day was estimated to be up to 2,900, or 580 blows per pile. However, during completion of the drydock project, it was determined that multiple types of piles being driven, the pre-setting of combi-wall piles by vibratory means, and partial jetting allowed piles to be more efficiently driven and thus some days included very high blow counts. For the Pier 1 North Drydock project, the mean blows per pile varied by type of pile, with 327 blows/pile for 18-inch concrete piles, 527 blows/pile for 24-inch concrete, and 606 blows/pile for the large steel king piles. However, generally more piles were struck per day than was initially estimated. As a result, the pile strikes averaged 2,883 blows per day during the 49 days over which piles were driven (M&A 2017a). This mean was almost exactly the estimated maximum blow counts anticipated. For this reason, the anticipated blow count was raised for the present analysis to the mean plus one standard deviation of the blow counts encountered during the Pier 1 North Drydock project for a total of 5,022 blows/day. This count is greater than 90 percent of the blow counts on driving days, and only one day (2 percent) of pile driving during the prior project substantively exceeded this estimate. Across all pile types, an average of 525.1 blows/pile were required to set the piles. As a result, an average of 9.6 piles per day has been assumed for the

present analysis (5,022 blows/day divided by 525.1 blows per pile). The adjustment in pile blow counts is expected to be an over-estimate for the present project elements due to the smaller scale of work and less potential for production pile driving activities. Further, it is expected that concrete pile driving within the project area will employ both hydraulic jetting to advance piles and associated impact driving. This approach to driving results in reduced blow counts and softer tip sediments which reduces overall noise generated during the blows. Both of these factors would be expected to diminish cumulative sound exposure levels.

Each pile type and driving method results in expected differing sound conditions in the water. These are also greatly influenced by the nature of the sediment into which the piles are driven, the depth of the water, the mass of material attached to the pile, the extent of pile embedment, and sound focusing or dissipation associated with the environment or surrounding media through which sound propagates. However, for the purpose of assessing potential impacts of construction on sensitive marine receptors, a pile driving hydroacoustic assessment has been undertaken. This assessment has derived data from two sources of information. The first is surrogate pile driving data derived from measurements taken at Berth 22 and Berth 30 in Oakland Harbor and Parson Slough in Monterey as reported in Appendix I of the Caltrans Technical Guidance on assessment of pile driving noise (Caltrans 2015). This appendix is generally referred to as the Caltrans Compendium and provides information on hydroacoustics of pile driving projects that have been completed for which there are measured noise levels. The application of surrogate project data with similar pile types, sizes, hammers, and water conditions allows for predictions of noise effects from a project prior to the physical implementation of the project. The compendium data were previously relied on for the environmental review of the Pier 1 North Drydock (Pride of California). Compendium derived data provides a good basis for unmitigated sound generation. These data have been presented for each pile type to be driven and the anticipated means of driving the piles that may be applied (Table 8).

Table 8. Potential noise generation levels for impact and vibratory pile driving

PILES AND DRIVING DETAILS				**SOUND PRESSURE LEVELS (dB) (Caltrans Compendium 2015) (Data from Oakland Berths 22 and 30 and Parson Slough Monterey)**		
PROJECT PILING MATERIAL	**SIZE (Dia or Depth)**	**HAMMER SIZE**	**PROJECT WATER DEPTH**	**PEAK (L_{peak}@10m)**	**ROOT MEAN SQUARE (rms@10m)**	**SOUND EXPOSURE LEVEL (SEL@10m)**
Square Pile (Concrete)	18"	Delmag D42-22	5m - 10m	185	166	154
Octagonal Pile (Concrete)	24"	Delmag D62-22	5m - 10m	187 (AVG)	175 (AVG)	165 (AVG)
AZ-26 700 Piling (Steel)	24" (width)	Vibratory (typ)	3m - 5m	175	160	159
H-Piling Fender (Steel)	14" (depth)	Delmag D42-22	12m - 19m	200	178	166
		Vibratory	12m - 19m	161	147	NA

The second source of information is derived from on-site hydroacoustic monitoring conducted for the Pier 1 North Drydock project. This project completed in 2016 included use of the same types of piles, as well as others, that are proposed to be driven in the present project. During the on-site construction it was determined that substantially lower noise generation and propagation occurred than was anticipated from the surrogate project sound data and application of simple transmission loss modeling within a non-confined environment. This was likely the result of many factors. First the high site topographic and structural complexity of the shipyard served to create a number of acoustic barriers and shadowing locally. Second, piles were substantively advanced into the sediment using methods that curb energy transfer to the water such as hydrojetting for all concrete piles using a combination of jetting and impact driving, vibratory advancement for steel piles prior to driving by hammer when required, selection of the lowest energy hammers practical for the work. Finally, implementation for sheet piles and combi-wall piles, the interlocking of multiple sheets and maximum vibratory embedment prior to hammer strikes spread energy over a much more massive surface and allowed greater transfer of energy into the sediment than the water column.

The sound levels generated during the Pier 1 North Drydock project incorporated a number of contractor, project, and equipment specific measures to ensure acoustic threshold shut downs did not occur. This included everything from multiple hammer selections and changes during work, in-water equipment and vessel positioning to contain noise, providing acoustic dampening mass to piles, and field adjustments to pile driving activities, including calculation of allowable blows to remain below thresholds and adapting the work schedule to remain compliant. The mitigating effects of these measures cannot be assumed to be directly transferrable to the much smaller project elements included in the present project. For this reason, impact evaluations have been based purely on the more conservative surrogate project sound data, while mitigating recommendations have been based on observed successful methods applied on-site for the Pier 1 North Drydock. This methodology provides for identification of both maximum likely impact levels and effective mitigation methods that may be adaptively implemented to remain below noise thresholds.

- *In-water Noise Impacts*

Table 7 summarizes the noise exposure thresholds for impacts to various marine organisms of concern within the project area. Table 8 summarizes noise levels anticipated to be generated from the types of piles to be driven and the methods of pile driving to be implemented within the project area based on the Caltrans Technical Guidance Appendix 1 noise compendium (Caltrans 2015). Using these noise impact thresholds and anticipated noise levels, the distance from pile driving source to the outer limits at which noise impacts would potentially occur was calculated using the inverse square law to calculate sound transmission loss using a practical spreading loss model. The model applied for determining transmission loss (TL) is

$$TL=B^* \log 10 (R) + C^*R$$

Where:

B = logarithmic loss predominantly by spreading;
C = linear loss through scattering and absorption;
R = ratio of the receiver distance (R_1) to source reference distance (R_2).

This equation assumes spherical spreading from a source within a non-confined environment. As such, it reflects a conservative oversimplification of transmission loss. The model has been simplified in form using an assumption that linear transmission loss (C) is equal to zero, and practical spreading is assumed as a hybrid between spherical (field free) spreading (B=20) and cylindrical loss (B=10). For the simplified model with a variant range, it is assumed that B= 15. This results in a simplified equation for TL of:

$$TL = 15 * \log 10 (R)$$

By applying transmission loss to the surrogate noise levels it was possible to determine at what distance impact thresholds would be exceeded for sensitive receptors of concern. The companion User Spreadsheet Tool to Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (NMFS 2018b) was employed to simplify calculations of PTS employed as a metric for Level A take for marine mammal calculations (Appendix 1). For other resources, the transmission loss equation above was applied to define the distance from sound sources at which the impact threshold would be exceeded. These were identified as the Zones of Influence (ZOI). ZOIs vary by resource and pile type and driving methods. Table 9 identifies the ZOIs for sensitive receptors. Where noise levels at the source are expected to be lower than the threshold of impact, no impact is expected and the table reflects a value of LOWER. Where the nature of sound generated is not applicable to the threshold metric, the table reflects a value of NA.

For injury to fish from cumulative sound exposure levels, the initial SEL for all piles is below the impact threshold for fish with masses of less than 2 grams (183 dB_{SELcum}) and fish over 2 grams (187 dB_{SELcum}). However, the cumulative SEL from 5,022 blows drives the ZOI outward to the distances reported for fish in Table 9. Using surrogate sound data from the compendium, no cumulative SEL impact thresholds for fish are met until after 63 blows on 24-inch concrete piles or 50 blows on 14-inch steel H-piles, which would be expected to affect fish under 2 grams. For fish over 2 grams, initial ZOI for impacts would begin to emerge only after 158 blows on 24-inch concrete piles or 125 blows on 14-inch steel H-piles.

In addition to driving piles, the project includes extraction of piles. This includes extraction of 12-inch and 18-inch concrete piles as well as 14-inch steel H-piles. It has been assumed that these piles would be removed by vibratory driver/extractor hammer. The Navy generated considerable sound data on pile removal using pile clippers and wire saws to cut piles at the mudline; however, no vibratory extraction data were generated (NAVFAC SW 2018). No other sources of data were located on which to base the sound levels generated by vibratory extraction. However, observations made during the removal of fender piles and steel pipe piles while construction of the Pier 1 North Drydock project was underway suggested that vibratory extraction of these piles was very rapid and much quieter than was the driving of similar piles. Based on these observations and a lack of surrogate data, it has been conservatively assumed for the purposes of this analysis that extraction of piles via vibratory means would generate less than or equal noise to the initial driving of the piles via vibratory means (H piles), or impact means where vibratory data does not exist (concrete piles) (Table 9).

With the relationship of noise thresholds to noise generation and the identification of activities within which ZOIs have been defined, Table 10 identifies potential impacts characterized as the potential to exceed sound thresholds concurrent with biological receptors present.

Potential impacts in the form of Level B harassment of marine mammals and harassment take of green sea turtles would be considered significant biological impacts. This is due to the low level standard for harassment impact to species under the Marine Mammal Protection Act and the Endangered Species Act.

Impacts to fish are not considered to be significant due to the fact that only cumulative sound exposure levels would affect fish and exposure to impactive sound levels would be anticipated to behaviorally mitigated by fish moving away from potentially damaging sound sources. No singular peak acoustic event would be expected to generate potential for injury to fish and thus behavioral mitigation would be possible under all circumstances.

Table 9. Noise threshold zones of influence (ZOI) for different receptors

Pile Type	Nature of Impact (Behavioral or Injurious) (Marine Mammals Definition is Level B or Level A)	Gray Whale	Bottlenose Dolphin	Harbor Seal	California Sea Lion	Green Sea Turtle Harrassment Take	Green Sea Turtle Adaptive Action Trigger*	Fish (≥2 gms)		Fish (<2 gms)	
Impact Pile Driving											
18" Square Concrete Piles	Potential Behavioral Impacts (Marine Mammals - Level B)	25	25	25	25	10	25	NA	NA	NA	NA
	Potential for Injury (Marine Mammals - Level A)	34.2	1.2	18.3	1.3	Lower	Lower	Lower	Lower	Lower	Lower
24" Octagonal Concrete Piles	Potential Behavioral Impacts (Marine Mammals - Level B)	100	100	100	100	40	100	NA	NA	NA	NA
	Potential for Injury (Marine Mammals - Level A)	185.2	6.6	99.1	7.2	Lower	Lower	Lower	100	Lower	184
14" H-Piling Steel Fender	Potential Behavioral Impacts (Marine Mammals - Level B)	158	158	158	158	63	158	NA	NA	NA	NA
	Potential for Injury (Marine Mammals - Level A)	216.0	7.7	115.6	8.4	Lower	Lower	4	117	4	184
Vibratory Pile Driving											
AZ-26 700 Steel Sheet Piling	Potential Behavioral Impacts (Marine Mammals - Level B)	631	631	631	631	Lower	NA	NA	NA	NA	NA
	Potential for Injury (Marine Mammals - Level A)	20.8	1.8	12.6	0.9	Lower	NA	NA	NA	NA	NA
14" H-Piling Steel Fender	Potential Behavioral Impacts (Marine Mammals - Level B)	86	86	86	86	Lower	NA	NA	NA	NA	NA
	Potential for Injury (Marine Mammals - Level A)	2.8	0.2	1.7	0.1	Lower	NA	NA	NA	NA	NA
Vibratory Pile Extraction											
18" Square Concrete Piles	Potential Behavioral Impacts (Marine Mammals - Level B)	25	25	25	25	10	25	NA	NA	NA	NA
	Potential for Injury (Marine Mammals - Level A)	34.2	1.2	18.3	1.3	Lower	Lower	Lower	Lower	Lower	Lower
24" Octagonal Concrete Piles	Potential Behavioral Impacts (Marine Mammals - Level B)	100	100	100	100	40	100	NA	NA	NA	NA
	Potential for Injury (Marine Mammals - Level A)	185.2	6.6	99.1	7.2	Lower	Lower	Lower	100	Lower	184
14" H-Piling Steel Fender	Potential Behavioral Impacts (Marine Mammals - Level B)	86	86	86	86	Lower	NA	NA	NA	NA	NA
	Potential for Injury (Marine Mammals - Level A)	2.8	0.2	1.7	0.1	Lower	NA	NA	NA	NA	NA

Table 10. In-water Noise Impact Summary Table by Project Element

Project Element	Pile Count**	Potential Impacts
Element 1 - POSD Drydock Dredging/Moorage	-26 (18-in) +38 (24 in) Net=+12	1) Potential Level A and B Impact to Marine Mammals 2) Potential Harassment Take of Green Sea Turtle 3) Potential cumulative injury of fish, including managed species
Element 2 - POSD Drydock Wharf Replacement/ Realignment	-20 (18-in) +73 (24-in) +6 (18-in) Net=+59	1) Potential Level A and B Impact to Marine Mammals 2) Potential Harassment Take of Green Sea Turtle 3) Potential cumulative injury of fish, including managed species
Element 3 - Fender System Repair and Replacement	-/+503 H-piles +122 H-piles Net=+122	1) Potential Level A and B Impact to Marine Mammals 2) Potential Harassment Take of Green Sea Turtle 3) Potential cumulative injury of fish, including managed species
Element 4 - Pier 3 South Nearshore Dredging	--	None
Element 5 - Pier 3 Mooring Dolphin	+8 (24-in) +16 H-piles Net=+24	1) Potential Level A and B Impact to Marine Mammals 2) Potential Harassment Take of Green Sea Turtle 3) Potential cumulative injury of fish, including managed species
Element 6 - Pier 3 Lunchroom Wharf Replacement/Realignment	-27 (12-in) +48 (24-in) Net=+21	1) Potential Level A and B Impact to Marine Mammals 2) Potential Harassment Take of Green Sea Turtle 3) Potential cumulative injury of fish, including managed species
Element 7- Quay wall Modifications at South End of Property	50 LF of sheet pile	1) Potential Level A and B Impact to Marine Mammals
Element 8-Port Security Barrier (PSB) Replacement	--	None
Element 9 - Small Boat Mooring Float Replacement	+4 (18-in)	1) Potential Level A and B Impact to Marine Mammals 2) Potential Harassment Take of Green Sea Turtle
Cumulative Total	-/+ 576 piles Net +242 piles Net: approx. 25 sheet piles	1) Potential Level A and B Impact to Marine Mammals 2) Potential Harassment Take of Green Sea Turtle 3) Potential cumulative injury of fish, including managed species

Marine Mammals and Green Sea Turtles

Table 9 indicates a range of ZOIs for differing species and types of pile driving activities. For an impact to occur, the animal receptor must be present within the ZOI at the time of pile driving and the pile driving noise must exceed the thresholds identified in Table 7. As indicated previously, only 7 sea lions were observed over 145 days of marine mammal monitoring from April to November 2016 and no turtles were observed within the monitored ZOIs of the shipyard area during this period. As such, it is anticipated that acoustic impacts to marine mammals and turtles may be readily avoided by avoidance of pile driving during periods when marine mammals and turtles are present within the defined ZOIs. Further, because the principal triggers for adverse effect are based on cumulative exposure rather than peak sound levels, sensitive receptor animals would need to remain present within the ZOIs for a period of time in order to accumulate threshold sound exposure levels. This combined with the relatively limited numbers of mammals or turtles in this area of the bay make exposure avoidance a very practical mitigation measure for the project.

In addition, during the monitoring of the Pier 1 North Drydock, it was also noted that sound levels in the water were substantively lower than surrogate noise levels from the compendium data. As indicated, it is not clear that the same level of noise attenuation achieved at the Pier 1 North Drydock project would be achieved with the various smaller and widely distributed elements under the present project. However, it is reasonable to assume that with the low frequency of mammal occurrence in the area and no observed occurrence of turtles in project proximity, avoidance of impact by restricting pile driving to periods when mammals and turtles are outside of applicable ZOIs would effectively mitigate impacts to a less than significant level.

Fish and Managed Fish Species

For fish, avoidance is not fully possible because fish are ubiquitously present within the shipyard and would be expected to be within the influence area of pile driving activities. However, cumulative sound exposure levels would be expected to be self-mitigated behaviorally by fish moving away from sound sources or into acoustic shadows. It is anticipated that most fish would not be exposed to high accumulated sound levels as a result of behavioral response to undesirable noise levels. This would allow fish to escape potential injury from sustained presence within impulsive noise environments. No mitigation of impacts to fish is considered to be required due to the lack of significant impacts to fish being expected from the project.

The effects of intense sound from pile driving activities are expected to be temporary behavioral avoidance of habitat during pile driving. The extent and duration of avoidance will depend upon many factors including the intensity of sound energy, frequency of energy, duration of driving, and species of fish, among others. For species managed under the Coastal Pelagics FMP, it is anticipated that schooling northern anchovy and Pacific sardine have a potential to be displaced from the area during pile driving. However, these fish within the family Clupeidae are considered to have relatively poor sensitivity to sound (Mann et al. 2001). For species managed under the Pacific Groundfish FMP, species are expected to be uncommon to very rare in the area and would be expected to be similarly displaced if present. However, unlike the Coastal Pelagics that would be more exposed to direct propagated noise, groundfish near the bottom may not be fully displaced from the area, but rather may seek refuge in acoustic shadows within the local area such as remaining below surrounding bottom terrain that blocks and absorbs sound. For cartilaginous fish, including the managed spiny dogfish that may occur in the area, the lack of a swim bladder and low sensitivity to sound makes these species less susceptible to noise impacts although very little else is known about noise impacts to elasmobranchs (Casper et al. 2003).

The displacement of managed species is not expected to result in substantial impacts due to the generally poor quality of habitat, limited duration and temporary nature of impacts, and capacity for behavioral avoidance and minimization of impacts by fish.

6.2 UPLAND TRANSITION AND UPLAND AREA IMPACTS

Elements 10 through 15 of the proposed project consist of construction in a highly urban setting which supports no special status wildlife or flora species and no sensitive upland habitats. Therefore, no impacts from the proposed project on the upland habitat are expected. No significant impacts to biological resources are anticipated from the implementation of the proposed project or any of its elements.

6.3 IMPACTS TO WETLANDS AND SENSITIVE HABITATS

As described above, the nearest adjacent wetlands to the project site are wetlands located across the bay at Delta Beach on the Naval Amphibious Base 1.6 miles to the west and within the marshes of the San Diego Bay Wildlife Refuge located over 3.5 miles to the south. The proposed project would not alter water flow or water quality to marsh habitat, and is not anticipated to degrade marshlands in any way. Therefore no significant impacts to wetlands are anticipated to occur.

As described above, eelgrass is considered to be a sensitive habitat and "special aquatic site" under the CWA and is designated as EFH. Although impacts to approximately 2,004 square feet of eelgrass habitat are expected from the proposed project, impacts are not considered to be significant since these impacts have previously been mitigated as described above.

6.4 IMPACTS TO WILDLIFE CORRIDORS

As described above, the project site is located within the Pacific Flyway but does not provide any specific terrestrial movement corridors, and no marine mammal, reptile, or fish migratory corridors occur within it. Construction will be phased over five years, with intermittent periods of construction-related noise, vibration and shock waves that could cause animals to flee. Protective measures will be in place during times when construction activities occur that may result in increased disturbance activity such as pile driving and dredging (see Mitigation Section). Consequently, impacts of the proposed project on wildlife corridors, movement of resident and migratory species, and usage of nursery sites are considered to be less than significant.

6.5 IMPACTS TO SENSITIVE WILDLIFE

Table 4 provides a summary of sensitive animal species that have potential to occur within the project site. The following text expands on the likelihood of occurrence for these species, and describes potential impacts to sensitive species that may result from project implementation.

Reptiles

Environmental threats to turtle populations include contamination from coastal runoff, fueling facilities, marina and dock construction, dredging, aquaculture, oil and gas exploration and extraction, and increased underwater noise and boat traffic that can degrade marine habitats used by marine turtles. Turtles swimming or feeding at or just beneath the surface of the water are particularly vulnerable to boat and vessel strikes, which can result in serious propeller injuries and death. Potential impacts to green sea turtle from the proposed project are primarily related to construction activities associated with pile driving, vessel traffic, and bottom-disturbing activities.

As described previously, south San Diego Bay supports a resident population of federally threatened eastern Pacific green sea turtle. Historically, this population resided primarily within the warm water discharge channel for the South Bay Power Plant. The closure of the plant in 2010 resulted in turtles utilizing areas of the Bay much farther north; however, tracking studies indicate that turtles still spend 95% of their time south of the Sweetwater River Channel (Bredvik et al 2015).

The proposed project has been determined to have limited potential to affect green sea turtles based on a number of factors. These include, first and foremost, the anticipated low occurrence of turtles within the industrialized east bay vicinity, as well as, the limited potential for adverse

interactions between turtles and vessels. However, it was determined that, if turtles were to occur within the immediate project area, then they would be potentially exposed to construction related hydroacoustic impact with still lesser risk of injury from direct impact with vessels or in-water equipment due to avoidance behavior.

The potential impacts to green sea turtles from noise impacts has been discussed previously. These impacts have been determined to be significant for project elements 1-3, 5-6, and 9 (Table 10). Potential impacts to green sea turtles are anticipated to be harassment impacts from exposures of turtles to impulsive sound pressures above 166 dB_{rms}

With the implementation of the protective measure of monitoring for green sea turtles to ensure that turtles do not enter applicable ZOIs when pile driving is underway, impacts would be less than significant. Other protective measures included in the project to minimize impacts to turtles included maintenance of no wake boat speeds within and adjacent to the project site. These measures will reduce the likelihood of striking and injuring turtles. Therefore, with protective measures incorporated, impacts to eastern Pacific green sea turtle are considered to be less than significant.

Birds

Of the sensitive avian species with potential to occur within or adjacent to the project site, six are listed as federally or California state endangered or threatened, or California Department of Fish and Wildlife fully protected. These include California brown pelican (*Pelecanus occidentalis californicus*), American peregrine falcon (*Falco peregrinus anatum*), light-footed Ridgway's rail (*Rallus obsoletus levipes*), western snowy plover (*Charadrius alexandrinus nivosus*), California least tern, and Belding's savannah sparrow (*Passerculus sandwichensis beldingi*).

Two of these species – light-footed Ridgway's rail and Belding's savannah sparrow – nest and forage in marshes, including the E Street Marsh within the San Diego Bay National Wildlife Refuge. Neither of these two species is expected to occur in the project site, and impacts to these species from the proposed project are not anticipated.

California Brown pelican is protected at nesting colonies and communal roosting areas. American peregrine falcon is also protected at nesting locations. These two species have a similarly low likelihood of occurrence within the project site. California brown pelicans roost in small groups throughout the Bay, particularly along Zuniga jetty, rip rap shorelines, and docks and piers in the northern portion of the Bay; however, the species does not nest in the Bay. Peregrine falcon has historically nested in Point Loma, on downtown San Diego buildings, and on the Coronado Bridge, but nesting sites in south San Diego Bay are not documented. Based on this low likelihood of occurrence of these species at the project site, impacts are not anticipated.

Western snowy plover and California least tern both nest seasonally within San Diego Bay. During its breeding season, April to October, the endangered California least tern is observed in San Diego Bay, nesting at Lindbergh Field, North Island Naval Station, the Naval Amphibious Base Delta Beach, D Street Fill, the Chula Vista Wildlife Reserve and the South Bay Saltworks in the South San Diego Bay Unit of the San Diego National Wildlife Refuge. The nesting colonies nearest to the project site are located at D Street Fill, the Chula Vista Wildlife Reserve, and along the South Bay Salt Works

levees and in Pond 11 that are managed by the SDUPD and USFWS. These three sites are located approximately 3.5 miles, 4.3 miles and 5.3 miles from the project site, respectively. California least terns actively forage for fish in the waters adjacent to nesting colonies in San Diego Bay, as well as, in nearshore coastal waters outside of the Bay. Given the duration of project, it is anticipated that some project construction elements would occur during the nesting season for California least tern; however, construction schedule has been structured to minimize where feasible in-water work during the California least tern nesting/foraging season. If dredging or in-water construction occurs during the nesting season, mitigation measures such as have a monitor for the presence and activity of terns, as well as water quality BMPs would reduce impacts to less than significant. Noise generation within the shipyard from pile driving activity would not be considered a significant impact on terns.

In San Diego Bay, nesting for western snowy plover occurs from March through July along the beach at NAS North Island (3 miles from the project site), at NAB Coronado (2 miles from the project site), and further south along the Silver Strand Training Complex and the beaches of the Tijuana River National Estuary Research Reserve (TRNERR) (8 miles from the project site). This species has not nested at the D Street Fill/Sweetwater Marsh NWR since 2000 (R. Patton, pers. comm). This species has a low likelihood to occur based on limited foraging habitat and the distance of the project site from active nesting colonies, and impacts to this species are therefore not anticipated.

Other sensitive avian species with low or moderate potential to occur in the vicinity of the project site include double crested cormorant (*Phalacrocorax auritus*), elegant tern (*Thalasseus elegans*), Caspian tern (*Hydroprogne caspia*), and black skimmer (*Rynchops niger*) (Unitt 2004), all of which nest within San Diego Bay at the South Bay Salt Works. Sensitive raptors include osprey (*Pandion haliaetus*), and northern harrier (*Circus cyaneus*). Osprey is known to nest within San Diego Bay, with recent nests located at NAS North Island, the National City shoreline, and at the Chula Vista Wildlife Reserve. Northern harrier nests on the ground, within marshes and grasslands. This species has been known to nest in south San Diego Bay, within the TRNERR, and the Sweetwater Marsh NWR (Unitt 2004). While all of these species may be occasional visitors to the project site, none nest within the project site and impacts to these avian species are not anticipated.

Marine Mammals

Harbor seals and California sea lions are observed commonly in northern San Diego Bay and less commonly in central and southern portions of the Bay, where the project site is located. There are no established haul-out, foraging, or breeding areas used by these or other marine mammals within the project site or vicinity, although they may make occasional transient use of the area. Project construction is anticipated to be phased over several years and any marine mammals would be expected to leave the site for adjacent waters if disturbed by project construction. However, the Marine Mammal Protection Act prohibits "take" of marine mammals. The definition of "take" under the Act, like that of the Endangered Species Act, includes "harassment". For this reason, a potentially significant impact to marine mammals could occur if animals are disturbed during construction activities, even if they are not harmed by the activities.

Similar to sea turtles, potential impacts to marine mammals from the proposed project are primarily related to construction activities associated with pile driving, vessel traffic, and bottom-disturbing activities. Marine mammals could be struck by boats or boat motors at the project site

but of greatest concern would be if marine mammals were to occur within the immediate project area, then they would be potentially exposed to construction related hydroacoustic impact with still lesser risk of injury from direct impact with vessels or in-water equipment due to avoidance behavior.

Hydroacoustic impacts have been previously discussed and impacts were considered to be significant. Therefore, with the implementation of protective measures such as monitoring to ensure marine mammals remained outside of ZOIs during pile driving, impacts would be less than significant. Other protective measures included in the project to minimize impacts to marine mammals included maintenance of no wake boat speeds within and adjacent to the project site. With protective measures incorporated, impacts to marine mammals are considered to be less than significant.

6.7 CUMULATIVE IMPACTS

Cumulative effects are defined by CEQA as “two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts." Cumulative impacts can be derived from a single project or a number of separate projects, and is further defined as “the impact on the environment which results from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions regardless of what agency (Federal or non-federal) or person undertakes such other actions." The San Diego Bay INRMP identifies specific concerns related to cumulative effects of all types of activities within San Diego Bay. These include piecemeal habitat loss and fragmentation within the Bay despite the intent of cumulative effects analysis under CEQA and the National Environmental Policy Act (NEPA). Based on the definitions provided under CEQA and the issues identified in the INRMP, the following analysis assumes that a significant adverse cumulative biological resources impact would occur where the construction or operation of the cumulative projects would encroach into areas containing sensitive biological resources, affect the movement of wildlife species, result in loss or fragmentation of sensitive habitats, or affect the functionality of a planned conservation area.

As discussed above, the potentially significant biological resource impacts from the proposed project include direct loss of surface cover which would be offset via credits from an eelgrass mitigation bank. Impacts to sensitive animals are reduced to less than significant by incorporation of protective measures during construction, and while the proposed project would impact eelgrass, mitigation is not proposed as the impacts are to beds that have already been mitigated for under other project permit conditions.

The project has been assembled to include all fifteen of the current pending independent projects within the BAE Systems San Diego Shipyard. As a result the project includes most project area activities. On-going repairs are underway on infrastructure within the NASSCO shipyard to the south. These activities are of a similar nature to those underway in the project area. However, all projects proposed or underway in the area are likely to have impacts of limited temporal effect and would not be expected to develop significant cumulative impacts.

7.0 MITIGATION AND PROTECTIVE MEASURES

7.1 BAY COVERAGE MITIGATION

Based on current project design, BAE Systems would be required to mitigate for approximately 12,925 square feet (0.30 acres) of bay coverage. The bay coverage impact could be offset in a number of ways. The USACE and the CCC have previously permitted a 1:1 area-based mitigation for increased bay coverage that was offset by various enhancement options. The accepted list of options includes:

- removal of similar structures within the bay (e.g. dock removal)
- removal of upland fill from the bay
- creation of eelgrass habitat and/or reef structures in presently unvegetated bottom areas to increase function of equivalent area as that shaded
- purchase of credits from a mitigation bank (for fill removal or enhancement such as eelgrass)
- removal of non-functional riprap or debris from intertidal or shallow subtidal habitat in the bay to improve suitability for use by birds and fish.

For the present project, mitigation is to be accomplished by drawing from surplus eelgrass presently being established within the south bay eelgrass mitigation site that presently supports approximately 37,900 square feet (0.87 acre) more eelgrass than required to meet existing mitigation requirements for the combined Shipyard Sediment Remediation Project and the Pier 1 North Drydock (M&A 2018). While the ultimate area of successful eelgrass development within the mitigation areas is not known since the mitigation area is still early within its 5-year monitoring period, it is expected that the site will generate adequate eelgrass to offset the additional shipyard reconfiguration bay coverage impacts at a 1:1 ratio.

1) The mitigation of 12,925 square feet (0.30 acres) of bay coverage bay coverage impacts is to be performed by adding an obligation of successful eelgrass within the south bay eelgrass mitigation site equal to the bay coverage. This would raise the success requirements for the mitigation site from 5.57 acres to 5.87 acres.

7.2 MARINE RESOURCE MITIGATION

Subtidal Vegetated Communities

The impacts from the Shipyard Sediment Abatement and Pier 1 North Drydock Projects resulted in the complete removal of eelgrass from the BAE Shipyard Site, and were mitigated at South Bay eelgrass mitigation site. The proposed project would impact approximately 2,004 square feet of eelgrass and no new mitigation is proposed for the proposed project as these areas were already impacted and mitigated.

Due to concerns over potential for spread of invasive *Caulerpa taxifolia* should it be present within project areas, to the detriment of other habitats, including eelgrass, requirements for pre-construction surveys for *Caulerpa* are required. This is to be accomplished with the following measure:

2) Prior to commencing any in-water work, a survey for the invasive algae, *Caulerpa taxifolia* and other nuisance species, will be conducted in accordance with the *Caulerpa* Control Protocols (NMFS 2004).

Open Water

Prior to dredging operations within sediments unsuited for in water disposal, a turbidity curtain would be deployed to contain the sediment turbidity generated during dredging activities. The turbidity curtain will consist of geotextile fabric curtain suspended from a floatation boom at the upper hem and have ballast weights at the lower hem. Turbidity curtains shall be used for dredging sediments unsuited to in-water reuse or disposal. This is to be achieved with the following measure:

3) During dredging of unsuitable material, water turbidity would be monitored using both visual inspection and water quality monitoring stations placed around the dredge site. If either of these methods indicates turbidity limits of greater than 20 percent increase in turbidity levels at 500 feet from dredge location have been exceeded, dredging would be paused and measures would be taken to address the turbidity migration.

EFH

To address anticipated impacts to EFH from the proposed work, the following protective measures associated with construction period activities and mitigation measures, associated with long-term changes in the habitat have been incorporated into the proposed work.

4) To avoid injury to managed fish species, prior to full pile driving activities the contractor shall implement a soft-start procedure. The soft-start procedure would require contractors to initiate noise from the impact hammer with an initial strike at 40% or less of the full hammer energy followed by a 30 second waiting period. This would be expected to result in behavioral avoidance of the area in the immediate vicinity of the pile. Subsequent repetitive driving would be expected to result in continued repulsion of fish from the proximity of the driving area with avoidance distances being established by the individual sound energy levels and tolerance of individual fish. If pile driving ceases for greater than an hour then the soft-start procedures shall be reinitiated.
5) Mitigation for impacts to bay coverage is discussed in Section 7.1.

7.3 Sensitive Species Mitigation

Reptiles

To mitigate potential impacts to eastern Pacific green sea turtles to a less than significant level, the following construction measures are recommended.

6) During pile driving activity for Elements 1-3, 5-6, and 9, the contractor, under the direction of a qualified biologist, shall conduct monitoring within applicable ZOIs of any pile driving (does not include pile jetting) for turtles surfacing to breathe. The contractor shall halt work if any observations of turtles are made. Work shall not re-commence until it has been determined that the turtle(s) have left the area or have not been seen on the surface within the ZOIs for a period of 15 minutes.

7) When performing impact pile driving, the contractor shall commence work with a few short blows followed by a 5-minute period of no pile driving, prior to commencing full pile driving activities. The purpose of this activity is to encourage turtles in the area to leave the project site prior to commencement of work. The contractor, under the direction of a qualified biologist, shall then commence monitoring as described above to determine if turtles are in the area. This process should be repeated if pile driving ceases for a period of greater than an hour.
8) Construction vessel traffic shall not exceed existing ambient speed for the shipyard.

Birds

Permanent significant impacts to least terns associated with the loss of foraging habitat are addressed through mitigation of bay coverage as described above.

To mitigate potential impacts to least terns related to dredging activity to a less than significant level, the following construction measures are recommended:

Should dredging occur during the nesting season, the following construction measures are recommended:

9) The contractor, under the direction of a qualified biologist, shall conduct monitoring within 500 feet of construction activities. The contractor shall delay commencing work if terns are present and actively foraging (e.g. searching and diving) within the work area.
10) The contractor shall deploy a turbidity curtain around the dredging areas to restrict the surface visible turbidity plume to the area of construction and dredging. It shall consist of a hanging weighted curtain with a surface float line and shall extend from the surface to twenty feet down into the water column. The goal of this measure is to minimize the area of the bay in which visibility of prey by terns is obstructed.
11) The contractor, under the direction of a qualified biologist, shall be retained to identify presence of terns displaying foraging behavior (e.g. searching and diving) and assess adverse impacts, if any, to least terns. Should adverse impacts to terns occur (e.g. agitation or startling during foraging activities), construction shall cease until least terns have left the project site.

Mammals

To mitigate potential impacts to marine mammals to a less than significant level, the following construction measures are recommended.

12) During construction activities involving pile driving or extraction, the contractor, under direction of a qualified biologist, shall conduct monitoring within the applicable ZOIs defined for the activities as documented in Table 9. The contractor shall halt in water pile driving or extraction work if any observations of marine mammals are made within the defined ZOI for the mammal species encountered. Work shall not re-commence until it has been determined that the mammal(s) have left the area or have not been seen on the surface within the ZOIs for a period of 15 minutes.
13) When performing impact pile driving, the contractor shall commence work with a few short blows followed by a 1-minute period of no pile driving, prior to commencing full pile driving

activities. The purpose of this activity is to encourage mammals in the area to leave the project site prior to commencement of work. The contractor, under the direction of a qualified biologist, shall then commence monitoring as described above to determine if mammals are in the area.

14) Construction vessel traffic shall not exceed existing ambient speed for the shipyard.

8.0 CONCLUSIONS

The proposed project would be expected to result in a number of construction period impacts to local biota and habitats found in the project site (e.g., habitat disturbance, increased turbidity, noise). The majority of these impacts are anticipated to be of a short-term, temporary nature and are not expected to have permanent or population-level impact to sensitive habitat or species, EFH or managed fish species. Given the limited size of the dredge footprints, the general lack of high value habitat resources in the project area, and the anticipated rapid recovery of resource values by reestablishment of similar communities, impacts associated with dredging and other in-water construction activities in soft-bottom habitat are not considered to be significant. However, the proposed project would result in a net increase of bay surface area coverage. This impact would require mitigation, which is anticipated to be offset through credits from the South Bay eelgrass mitigation site.

Impacts to eelgrass habitat are also anticipated; however, the recent Shipyard Sediment Abatement and Pier 1 North Drydock Projects resulted in complete removal of eelgrass from the project site which was mitigated at the South Bay Eelgrass Mitigation Site. Therefore, no new mitigation is proposed as mitigation for impacts to these areas has been met, and any impact to existing eelgrass would not require mitigation.

While construction-related impacts would result in temporary impacts to local biota in the project footprints, of greatest concern is the protection of fish, marine reptiles, and marine mammals from substantive injury associated with acoustic pressure generated from pile removal and driving. To address this concern, protective measures such as a soft-start procedure and having a monitor present during construction are recommended to provide protection from injury and would reduce any impacts to less than significant.

Potential indirect impacts associated with the project include increased turbidity associated with dredging, pile removal and installation; however, construction-period BMPs would minimize the risk of these impacts.

Impacts from the proposed project would be minor for the pelagic fish species identified in Table 5. The coastal pelagics by nature have low site fidelity. Given the small area affected, interruptions causing pelagics to move into other areas would not cause biologically significant increases in competition due to habitat loss. The project would not impede the spawning success of the coastal pelagics, nor cause disturbances that increase predation. Similarly, impacts from the project would be minor for the groundfish species in Table 5. Although California scorpionfish are rare compared to the pelagics listed in Table 5, this species' high fidelity to structured habitats such as pile fields and reefs means it is likely underrepresented in most fish sampling efforts. From the information available and the habitat characteristics of this species, impacts to California scorpionfish would be probable but minimal. Construction could cause fish to flee the immediate disturbance, yet the fish will likely remain in the area to capitalize on the exposure of forage resources by construction disturbance. Spawning success would not be affected due to the pelagic spawning and buoyancy of the eggs. Other demersal species considered in this analysis are extremely rare in San Diego Bay and are not affiliated with pile fields. Should individuals of these species occur, they would likely be temporarily displaced from the area during construction and impacts are considered minimal.

Other potential impacts to marine reptiles (e.g., turtles), birds, and marine mammals could also occur as a result of the proposed project. Turtles could be struck by boats or boat motors at the project site and impacts to marine mammals (e.g. California sea lion and harbor seal) would be similar to those anticipated for turtles. Any disturbance of marine mammals is considered harassment and would be significant. While it is unlikely that marine mammals would occur in the project site, incorporation of the protection measures listed above would reduce any impacts to less than significant. Similarly, no impacts to sensitive avian species are anticipated with implementation of protective measures such as monitoring if in-water construction activity occurred during the nesting season. No significant impacts to wetlands, upland habitat, wildlife migration or corridors are anticipated. Cumulative impacts are considered to be less than significant.

9.0 REFERENCES

Allen, L.G. 1999. Fisheries inventory and utilization of San Diego Bay, San Diego, California. Final report. Nearshore Marine Fish Research Program, Department of Biology, California State University, Northridge.

Bredvik, J.J., S.E. Graham, B. Saunders. 2015. Progress Report: Evaluation of Fine Scale Movements of East Pacific Green Sea Turtles in San Diego Bay. Prepared for Commander, Naval Installations Command and Commander, U.S. Pacific Fleet. Submitted to Naval Facilities Engineering Command (NAVFAC) Southwest, California, September 2015.

Butler, A.J. and R.M. Connolly. 1999. Assemblages of sessile marine invertebrates: still changing after all these years? Marine Ecology Progress Series 182:109-118.

Caltrans. 2015. Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish. http://www.dot.ca.gov/env/bio/docs/bio-tech-guidance-hydroacoustic-effects-110215.pdf

Carlson, T.J., M.C. Hastings, and A.N. Popper. 2007. Update on recommendations for revised interim sound exposure criteria for fish during pile driving activities. Memorandum dated December 21, 2007, to Suzanne Theiss, California Department of Transportation and Paul Wagner, Washington Department of Transportation.

Casper, B.M., P.S. Lobel, and H.Y. Yan. 2003. The hearing sensitivity of the little skate, Raja erinacea: A comparison of two methods. Environmental Biology of Fishes 68:371-379.

Casper, B.M., F.M. Matthews, M.B. Halvorsen, T.J. Carlson, and A.N. Popper. 2011a. Recovery from exposure to pile driving signals by Chinook salmon. J. Acoust. Soc. Am. 129(4):2436.

Clynick, B.G. 2008. Characteristics of an urban fish assemblage: Distribution of fish associated with coastal marinas. Marine Environmental Research 65:18-33.

Connell, S.D. 2001. Urban structures as marine habitats: an experimental comparison of the composition and abundance of subtidal epibiota among pilings, pontoons, and rocky reefs. Marine Environmental Research 52:115-125.

Connell, S.D. and T.M. Glasby. 1999. Do urban structures influence local abundance and diversity of subtidal epibiota? A case study from Sydney Harbour, Australia. Marine Environmental Research 47:373-387.

Emmett, R.L., S.A. Hinton, S.L. Stone, M.E. Monaco. 1991. Distribution and abundance of fishes and invertebrates in west coast estuaries volume II: species life history summaries. ELMR report number 8. August 1991.

Eguchi, T., J. Seminoff, R. LeRoux, P. Dutton, and D. Dutton. 2010. Abundance and survival rates of green turtles in an urban environment: coexistence of humans and an endangered species. Marine Biology 157:1869-1877.

Fisheries Hydroacoustics Working Group (FHWG). 2008. Memorandum: Agreement in Principle for Interim Criteria for Injury to Fish from Pile Driving Activities. Signed by NOAA's Fisheries Northwest and Southwest Regions, U.S. Fish and Wildlife Service Regions 1 & 8, California/Washington/Oregon Departments of Transportation, California Department of Fish and Game, and the U.S. Federal Highway Administration. Available online at http://www.wsdot.wa.gov/NR/rdonlyres/4019ED62-B403-489C-AF05-5F4713D663C9/0/BA_InterimCriteriaAgree.pdf .

Glasby, T.M. 1999. Differences between subtidal epibiota on pier pilings and rocky reefs at marinas in Sydney, Australia. Estuarine, Coastal and Shelf Science 48:281-290.

Halvorsen, M.B., C.M. Woodley, B.M. Casper, T.J. Carlson, and A.N. Popper. 2011a. Derivation of a response severity index model for physiological quantification of fish response to impulsive sound. J. Acoust. Soc. Am. 129(4):2435.

Halvorsen, M.B., B.M. Casper, C.M. Woodley, T.J. Carlson, and A.N. Popper. 2011b. Predicting and mitigating hydroacoustic impacts on fish from pile installations. National Cooperative Highway Research Program Transportation Research Board of The National Academies, (in press).

Hastings, M.C. and A.N. Popper. 2005. Effects of Sound on Fish. Report to California Department of Transportation. January. 82 pp. http://www.dot.ca.gov/hq/env/bio/files/Effects_of_Sound_on_Fish23Aug05.pdf.

Hoffman, R.S. 2006. Fisheries Utilization of Eelgrass Beds in San Diego and Mission Bays 1988-2005: 18 Years of Sampling and Still Going. Status Report February 21, 2006. National Marine Fisheries Service. Long Beach, CA. 50 pp.

IUCN Invasive Species Specialist Group. 2007. Global invasive species database: *Undaria pinnatifida*. Retrieved from: http://www.issg.org/database/species/ecology.asp?si=68&fr=1&sts=&lang=EN

Mann D.A., D.M. Higgs, W.N. Tavolga, M.J. Souza, and A.N. Popper. 2001. Ultrasound detection by clupeiform fishes, Journal of the Acoustical Society of America 109: 3048-3054.

Merkel & Associates, Inc. (M&A). 2000. South Bay Power Plant cooling water discharge channel fish community characterization study. April 1997 through January 2000 final report. June 2000.

Merkel & Associates, Inc. (M&A). 2009. Demersal Fisheries Response to the 2004 Channel Deepening Project in San Diego Bay. Prepared for the Port of San Diego, Port of Los Angeles, Port of Long Beach, National Marine Fisheries Service, and Naval Facilities Engineering Command Southwest.

Merkel & Associates, Inc. (M&A). 2010. Characterization of Essential Fish Habitat in San Diego Bay PHASE II: Qualitative Habitat Characterization and Mapping Report. Prepared for Naval Facilities Engineering Command Southwest Coastal IPT.

Merkel & Associates, Inc. (M&A). 2012. Marine Biological Resources Assessment for the BAE Systems San Diego Ship Repair Pier 4 Replacement Project. Prepared for LSA Associates, Inc. 33 pp.

Merkel & Associates, Inc. (M&A). 2015a. Essential Fish Habitat Assessment for the On Site In Water Structural Improvements Elements of the BAE Systems San Diego Ship Repair Pier 1 North Drydock Project. Prepared for the San Diego Unified Port District and the U.S. Army Corps of Engineers. December 2015. 31 pp.

Merkel & Associates, Inc. (M&A). 2015b. Eelgrass Transplant and Monitoring Plan In Support of the BAE Systems San Diego Ship Repair Pier 1 North Drydock Project and the San Diego Shipyard Sediment Remediation Project North Shipyard Site, San Diego Bay, California. December 2015.

Merkel & Associates, Inc. (M&A). 2016. BAE Systems Pier 1 North Drydock Project – Essential Fish Habitat Assessment.

Merkel & Associates, Inc. (M&A). 2017a. San Diego Ship Repair Pier 1 North Drydock Project Acoustic, Marine Mammal, and Green Sea Turtle Monitoring Report.

Merkel & Associates, Inc. (M&A). 2017b. Monitoring Summary Report for the BAE Systems Pier 1 North Drydock Project. July 2017

Merkel & Associates, Inc. (M&A). 2018. BAE Systems San Diego Ship Repair Pier 1 North Drydock and San Diego Shipyard Sediment Remediation North Shipyard Site 12 Month Post Transplant Eelgrass Monitoring Report San Diego Bay, CA.

National Marine Fisheries Service (NMFS). 1998. Essential fish habitat coastal pelagic species. Modified from: Coastal Pelagics Species Fishery Management Plan [Amendment 8 to the northern anchovy fishery management plan].

National Marine Fisheries Service (NMFS). 1999 (revised 2000). Essential fish habitat: new marine fish habitat conservation mandate for federal agencies. National Marine Fisheries Service Southwest Regional Office.

National Marine Fisheries Service (NMFS). 2004. *Caulerpa* Control Protocols (Version 1.2b).

National Marine Fisheries Service (NMFS). 2008a. Pacific Coast Groundfish Fishery Management Plan for the California, Oregon, and Washington Groundfish Fishery. Pacific Fishery Management Council. July 2008.

National Marine Fisheries Service (NMFS) NOAA Fisheries, West Coast Region. 2014. California Eelgrass Mitigation Policy and Implementing Guidelines. October 2014.

National Marine Fisheries Service (NMFS). 2016. Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing, Underwater Acoustic Thresholds for Onset of Permanent and Temporary Threshold Shifts. NOAA Technical Memorandum NMFS-OPR-55. July 2016.

National Marine Fisheries Service. 2018a. 2018 Revisions to: Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 2.0): Underwater Thresholds for Onset of Permanent and Temporary Threshold Shifts. U.S. Dept. of Commerce., NOAA. NOAA Technical Memorandum NMFS-OPR-59, 167 p.

National Marine Fisheries Service. 2018b. Manual for Optional User Spreadsheet Tool (Version 2.0) for: 2018 Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 2.0): Underwater Thresholds for Onset of Permanent and Temporary Threshold Shifts. Silver Spring, Maryland: Office of Protected Resources, National Marine Fisheries Service.

Naval Facilities Engineering Command Southwest (NAVFAC SW). 2018. Compendium of Underwater and Airborne Sound Data from Pile Driving and Demolition Activities in San Diego Bay. August 2018.

Pacific Fishery Management Council (PFMC). 2016. Pacific Coast Groundfish Fishery Management Plan for the California, Oregon, and Washington Groundfish Fishery. August.

Pinn, E.H., K. Mitchell, and J. Corkill. 2005. The assemblages of groynes in relation to substratum age, aspect and microhabitat. Estuarine, Coastal and Shelf Science 62:271-282.

Unitt. P. 2004. San Diego County Bird Atlas. Proceedings of the San Diego Society of Natural History. October 2004. Data retrieved from: http://www.sdnhm.org/science/birds-andmammals/projects/san-diego-county-bird-atlas/bird-atlas-google-earth-presentation/

U.S. Army Corps of Engineers (USACE). 1990. Regulatory Guidance Letter 90-08. SUBJECT: Applicability of Section 404 to Pilings. 3 pp.
Retrieved from: http://www.usace.army.mil/CECW/Documents/cecwo/reg/rgls/rgl90-08.pdf.

U.S. Department of the Navy (U.S. Navy), Naval Facilities Engineering Command Southwest and Port of San Diego. 2013 . San Diego Bay Integrated Natural Resources Management Plan, Final September 2013. San Diego, California. Prepared by Tierra Data Inc., Escondido, California.

U.S. Department of the Navy (U.S. Navy). 2013b. Hawaii-Southern California Training and Testing Final Environmental Impact Statement/Overseas Environmental Impact Statement. August 2013.

Vance, R.R. 1988. Ecological succession and the climax community on a marine subtidal rock wall. Marine Ecology Progress Series 48:125-136.

Vantuna Research Group (VRG). 2006. Fisheries Inventory and Utilization of San Diego Bay, San Diego, California for Surveys Conducted in April and July 2005. Moore Laboratory of Zoology. Occidental College. February. 103 pp.

Vantuna Research Group (VRG). 2009. Fisheries Inventory and Utilization of San Diego Bay, San Diego, California for Surveys Conducted in April and July 2008. Moore Laboratory of Zoology. Occidental College. February. 74 pp.

Appendix 1.
Calculations for Marine Mammal Underwater Sound Exposure Risks Using
USER SPREADSHEET INTRODUCTION
VERSION: 2.0 (2018)
Companion+ User Spreadsheet to:
NMFS 2018 Revision to:
Technical Guidance for Assessing the Effects of
Anthropogenic Noise on Marine Mammal Hearing:
Underwater Thresholds for Onset of Permanent and
Temporary Threshold Shifts (Version 2.0)

E.1: IMPACT PILE DRIVING (STATIONARY SOURCE: Impulsive, Intermittent)

VERSION 2.0: 2018

KEY

	User Provided Information
	NMFS Provided Information (Technical Guidance)
	Resultant Isopleth

STEP 1: GENERAL PROJECT INFORMATION

PROJECT TITLE	BAE Waterfront Infrastructure Maintenance, Repair, and Replacement Project
PROJECT/SOURCE INFORMATION	18-inch square concrete piles driven by impact means

Please include any assumptions

PROJECT CONTACT	Keith Merkel

STEP 2: WEIGHTING FACTOR ADJUSTMENT

Specify if relying on source-specific WFA, alternative weighting/dB adjustment, or if using default value

Weighting Factor Adjustment (kHz)¥	2	

¥ Broadband: 95% frequency contour percentile (kHz) OR Narrowband: frequency (kHz); For appropriate default WFA: See INTRODUCTION tab

† If a user relies on alternative weighting/dB adjustment rather than relying upon the WFA (source-specific or default), they may override the Adjustment (dB) (row 75), and enter the new value directly. However, they must provide additional support and documentation supporting this modification.

*** BROADBAND Sources: Cannot use WFA higher than maximum applicable frequency (See GRAY tab for more information on WFA applicable frequencies)**

STEP 3: SOURCE-SPECIFIC INFORMATION

NOTE: Choose either E1-1 OR E.1-2 method to calculate isopleths (not required to fill in sage boxes for both)

E.1-1: METHOD TO CALCULATE PK AND SEL_{cum} (USING RMS SPL SOURCE LEVEL)

SEL_{cum}

Source Level (RMS SPL)	
Number of piles per day	
Strike Duration^ (seconds)	
Number of strikes per pile	
Duration of Sound Production (seconds)	0
10 Log (duration of sound production)	#NUM!
Propagation (xLogR)	
Distance of source level measurement (meters)*	

^Window that makes up 90% of total cumulative energy (5%-95%) based on Madsen 2005

*Unless otherwise specified, source levels are referenced 1 m from the source.

PK

Source Level (PK SPL)	
Distance of source level measurement (meters)*	
Source level at 1 meter	#NUM!

*Unless otherwise specified, source levels are referenced 1 m from the source.

NOTE: The User Spreadsheet tool provides a means to estimates distances associated with the Technical Guidance's PTS onset thresholds. Mitigation and monitoring requirements associated with a Marine Mammal Protection Act (MMPA) authorization or an Endangered Species Act (ESA) consultation or permit are independent management decisions made in the context of the proposed activity and comprehensive effects analysis, and are beyond the scope of the Technical Guidance and the User Spreadsheet tool.

RESULTANT ISOPLETHS*

*Impulsive sounds have dual metric thresholds (SELcum & PK). Metric producing largest isopleth should be used.

Hearing Group	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
SEL_{cum} Threshold	183	185	155	185	203
PTS isopleth to threshold (meters)	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**
PK Threshold	219	230	202	218	232
PTS PK isopleth to threshold (meters)	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**

E.1-2: ALTERNATIVE METHOD TO CALCULATE PK AND SEL_{cum} (SINGLE STRIKE EQUIVALENT)

Unweighted $SEL_{cum\ (at\ measured\ distance)}$ = SEL_{ss} + 10 Log (# strikes)	**191.0**

SEL_{cum}

Source Level (Single Strike SEL)	154
Number of strikes per pile	525.1
Number of piles per day	9.6
Propagation (xLogR)	15
Distance of single strike SEL measurement (meters)*	10

*Unless otherwise specified, source levels are referenced 1 m from the source.

PK

Source Level (PK SPL)	185
Distance of source level measurement (meters)*	10
Source level at 1 meter	200.0

*Unless otherwise specified, source levels are referenced 1 m from the source.

RESULTANT ISOPLETHS*

*Impulsive sounds have dual metric thresholds (SELcum & PK). Metric producing largest isopleth should be used.

Hearing Group	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
SEL_{cum} Threshold	183	185	155	185	203
PTS isopleth to threshold (meters)	**34.2**	**1.2**	**40.8**	**18.3**	**1.3**
PK Threshold	219	230	202	218	232
PTS PK isopleth to threshold (meters)	**NA**	**NA**	**NA**	**NA**	**NA**

WEIGHTING FUNCTION CALCULATIONS

Weighting Function Parameters	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
a	1	1.6	1.8	1	2
b	2	2	2	2	2
f_1	0.2	8.8	12	1.9	0.94
f_2	19	110	140	30	25
C	0.13	1.2	1.36	0.75	0.64
Adjustment (dB)†	**-0.01**	**-19.74**	**-26.87**	**-2.08**	**-1.15**

$$W(f) = C + 10\log_{10}\left\{\frac{(f/f_1)^{2a}}{[1+(f/f_1)^2]^a[1+(f/f_2)^2]^b}\right\}$$

E.1: IMPACT PILE DRIVING (STATIONARY SOURCE: Impulsive, Intermittent)

VERSION 2.0: 2018

KEY

	User Provided Information
	NMFS Provided Information (Technical Guidance)
	Resultant Isopleth

STEP 1: GENERAL PROJECT INFORMATION

PROJECT TITLE	BAE Waterfront Infrastructure Maintenance, Repair, and Replacement Project
PROJECT/SOURCE INFORMATION	24-inch octagonal concrete piles driven by impact means

Please include any assumptions

PROJECT CONTACT	Keith Merkel

STEP 2: WEIGHTING FACTOR ADJUSTMENT

Specify if relying on source-specific WFA, alternative weighting/dB adjustment, or if using default value

Weighting Factor Adjustment (kHz)¥	2	

¥ Broadband: 95% frequency contour percentile (kHz) OR Narrowband: frequency (kHz); For appropriate default WFA: See INTRODUCTION tab

† If a user relies on alternative weighting/dB adjustment rather than relying upon the WFA (source-specific or default), they may override the Adjustment (dB) (row 75), and enter the new value directly. However, they must provide additional support and documentation supporting this modification.

*** BROADBAND Sources: Cannot use WFA higher than maximum applicable frequency (See GRAY tab for more information on WFA applicable frequencies)**

STEP 3: SOURCE-SPECIFIC INFORMATION

NOTE: Choose either E1-1 OR E.1-2 method to calculate isopleths (not required to fill in sage boxes for both)

E.1-1: METHOD TO CALCULATE PK AND SEL_{cum} (USING RMS SPL SOURCE LEVEL)

SEL_{cum}

Source Level (RMS SPL)	
Number of piles per day	
Strike Duration^ (seconds)	
Number of strikes per pile	
Duration of Sound Production (seconds)	0
10 Log (duration of sound production)	#NUM!
Propagation (xLogR)	
Distance of source level measurement (meters)*	

^Window that makes up 90% of total cumulative energy (5%-95%) based on Madsen 2005

*Unless otherwise specified, source levels are referenced 1 m from the source.

PK

Source Level (PK SPL)	
Distance of source level measurement (meters)*	
Source level at 1 meter	#NUM!

*Unless otherwise specified, source levels are referenced 1 m from the source.

NOTE: The User Spreadsheet tool provides a means to estimates distances associated with the Technical Guidance's PTS onset thresholds. Mitigation and monitoring requirements associated with a Marine Mammal Protection Act (MMPA) authorization or an Endangered Species Act (ESA) consultation or permit are independent management decisions made in the context of the proposed activity and comprehensive effects analysis, and are beyond the scope of the Technical Guidance and the User Spreadsheet tool.

RESULTANT ISOPLETHS*

*Impulsive sounds have dual metric thresholds (SELcum & PK). Metric producing largest isopleth should be used.

Hearing Group	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
SEL_{cum} Threshold	183	185	155	185	203
PTS isopleth to threshold (meters)	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**
PK Threshold	219	230	202	218	232
PTS PK isopleth to threshold (meters)	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**

E.1-2: ALTERNATIVE METHOD TO CALCULATE PK AND SEL_{cum} (SINGLE STRIKE EQUIVALENT)

Unweighted $SEL_{cum\ (at\ measured\ distance)}$ = SEL_{ss} + 10 Log (# strikes)	**202.0**

SEL_{cum}

Source Level (Single Strike SEL)	165
Number of strikes per pile	525.1
Number of piles per day	9.6
Propagation (xLogR)	15
Distance of single strike SEL measurement (meters)*	10

*Unless otherwise specified, source levels are referenced 1 m from the source.

PK

Source Level (PK SPL)	187
Distance of source level measurement (meters)*	10
Source level at 1 meter	202.0

*Unless otherwise specified, source levels are referenced 1 m from the source.

RESULTANT ISOPLETHS*

*Impulsive sounds have dual metric thresholds (SELcum & PK). Metric producing largest isopleth should be used.

Hearing Group	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
SEL_{cum} Threshold	183	185	155	185	203
PTS isopleth to threshold (meters)	**185.2**	**6.6**	**220.7**	**99.1**	**7.2**
PK Threshold	219	230	202	218	232
PTS PK isopleth to threshold (meters)	**NA**	**NA**	**NA**	**NA**	**NA**

WEIGHTING FUNCTION CALCULATIONS

Weighting Function Parameters	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
a	1	1.6	1.8	1	2
b	2	2	2	2	2
f_1	0.2	8.8	12	1.9	0.94
f_2	19	110	140	30	25
C	0.13	1.2	1.36	0.75	0.64
Adjustment (dB)†	**-0.01**	**-19.74**	**-26.87**	**-2.08**	**-1.15**

$$W(f) = C + 10\log_{10}\left\{\frac{(f/f_1)^{2a}}{[1+(f/f_1)^2]^a[1+(f/f_2)^2]^b}\right\}$$

E.1: IMPACT PILE DRIVING (STATIONARY SOURCE: Impulsive, Intermittent)

VERSION 2.0: 2018

KEY

	User Provided Information
	NMFS Provided Information (Technical Guidance)
	Resultant Isopleth

STEP 1: GENERAL PROJECT INFORMATION

PROJECT TITLE	BAE Waterfront Infrastructure Maintenance, Repair, and Replacement Project
PROJECT/SOURCE INFORMATION	14-inch steel H fender piles driven by impact means

Please include any assumptions

PROJECT CONTACT	Keith Merkel

STEP 2: WEIGHTING FACTOR ADJUSTMENT

Specify if relying on source-specific WFA, alternative weighting/dB adjustment, or if using default value

Weighting Factor Adjustment (kHz)¥	2	

¥ Broadband: 95% frequency contour percentile (kHz) OR Narrowband: frequency (kHz); For appropriate default WFA: See INTRODUCTION tab

† If a user relies on alternative weighting/dB adjustment rather than relying upon the WFA (source-specific or default), they may override the Adjustment (dB) (row 75), and enter the new value directly. However, they must provide additional support and documentation supporting this modification.

*** BROADBAND Sources: Cannot use WFA higher than maximum applicable frequency (See GRAY tab for more information on WFA applicable frequencies)**

STEP 3: SOURCE-SPECIFIC INFORMATION

NOTE: Choose either E1-1 OR E.1-2 method to calculate isopleths (not required to fill in sage boxes for both)

E.1-1: METHOD TO CALCULATE PK AND SEL_{cum} (USING RMS SPL SOURCE LEVEL)

SEL_{cum}

Source Level (RMS SPL)	
Number of piles per day	
Strike Duration^ (seconds)	
Number of strikes per pile	
Duration of Sound Production (seconds)	0
10 Log (duration of sound production)	#NUM!
Propagation (xLogR)	
Distance of source level measurement (meters)*	

^Window that makes up 90% of total cumulative energy (5%-95%) based on Madsen 2005

*Unless otherwise specified, source levels are referenced 1 m from the source.

PK

Source Level (PK SPL)	
Distance of source level measurement (meters)*	
Source level at 1 meter	#NUM!

*Unless otherwise specified, source levels are referenced 1 m from the source.

NOTE: The User Spreadsheet tool provides a means to estimates distances associated with the Technical Guidance's PTS onset thresholds. Mitigation and monitoring requirements associated with a Marine Mammal Protection Act (MMPA) authorization or an Endangered Species Act (ESA) consultation or permit are independent management decisions made in the context of the proposed activity and comprehensive effects analysis, and are beyond the scope of the Technical Guidance and the User Spreadsheet tool.

RESULTANT ISOPLETHS*

*Impulsive sounds have dual metric thresholds (SELcum & PK). Metric producing largest isopleth should be used.

Hearing Group	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
SEL_{cum} Threshold	183	185	155	185	203
PTS isopleth to threshold (meters)	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**
PK Threshold	219	230	202	218	232
PTS PK isopleth to threshold (meters)	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**	**#NUM!**

E.1-2: ALTERNATIVE METHOD TO CALCULATE PK AND SEL_{cum} (SINGLE STRIKE EQUIVALENT)

Unweighted $SEL_{cum\ (at\ measured\ distance)}$ = SEL_{ss} + 10 Log (# strikes)	**203.0**

SEL_{cum}

Source Level (Single Strike SEL)	166
Number of strikes per pile	525.1
Number of piles per day	9.6
Propagation (xLogR)	15
Distance of single strike SEL measurement (meters)*	10

*Unless otherwise specified, source levels are referenced 1 m from the source.

PK

Source Level (PK SPL)	200
Distance of source level measurement (meters)*	10
Source level at 1 meter	215.0

*Unless otherwise specified, source levels are referenced 1 m from the source.

RESULTANT ISOPLETHS*

*Impulsive sounds have dual metric thresholds (SELcum & PK). Metric producing largest isopleth should be used.

Hearing Group	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
SEL_{cum} Threshold	183	185	155	185	203
PTS isopleth to threshold (meters)	**216.0**	**7.7**	**257.3**	**115.6**	**8.4**
PK Threshold	219	230	202	218	232
PTS PK isopleth to threshold (meters)	**NA**	**NA**	**7.4**	**NA**	**NA**

WEIGHTING FUNCTION CALCULATIONS

Weighting Function Parameters	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
a	1	1.6	1.8	1	2
b	2	2	2	2	2
f_1	0.2	8.8	12	1.9	0.94
f_2	19	110	140	30	25
C	0.13	1.2	1.36	0.75	0.64
Adjustment (dB)†	**-0.01**	**-19.74**	**-26.87**	**-2.08**	**-1.15**

$$W(f) = C + 10\log_{10}\left\{\frac{(f/f_1)^{2a}}{[1+(f/f_1)^2]^a\,[1+(f/f_2)^2]^b}\right\}$$

A.1: Vibratory Pile Driving (STATIONARY SOURCE: Non-Impulsive, Continuous)

VERSION 2.0: 2018

KEY

	User Provided Information
	NMFS Provided Information (Technical Guidance)
	Resultant Isopleth

STEP 1: GENERAL PROJECT INFORMATION

PROJECT TITLE	BAE Waterfront Infrastructure Maintenance, Repair, and Replacement Project
PROJECT/SOURCE INFORMATION	Caltrans Compendium and BAE SD Ship Repair Project Description AZ-26 700 Sheet Pile Vibratory Driving

Please include any assumptions

PROJECT CONTACT	Keith Merkel

STEP 2: WEIGHTING FACTOR ADJUSTMENT

		Specify if relying on source-specific WFA, alternative weighting/dB adjustment, or if using default value
Weighting Factor Adjustment (kHz)¥	2.5	

¥ Broadband: 95% frequency contour percentile (kHz) OR Narrowband: frequency (kHz); For appropriate default WFA: See INTRODUCTION tab

† If a user relies on alternative weighting/dB adjustment rather than relying upon the WFA (source-specific or default), they may override the Adjustment (dB) (row 48), and enter the new value directly. However, they must provide additional support and documentation supporting this modification.

*** BROADBAND Sources: Cannot use WFA higher than maximum applicable frequency (See GRAY tab for more information on WFA applicable frequencies)**

STEP 3: SOURCE-SPECIFIC INFORMATION

Source Level (RMS SPL)	160
Number of piles within 24-h period	40
Duration to drive a single pile (minutes)	10
Duration of Sound Production within 24-h period (seconds)	24000
10 Log (duration of sound production)	43.80
Propagation (xLogR)	15
Distance from source level measurement (meters)*	10

*Unless otherwise specified, source levels are referenced 1 m from the source.

NOTE: The User Spreadsheet tool provides a means to estimates distances associated with the Technical Guidance's PTS onset thresholds. Mitigation and monitoring requirements associated with a Marine Mammal Protection Act (MMPA) authorization or an Endangered Species Act (ESA) consultation or permit are independent management decisions made in the context of the proposed activity and comprehensive effects analysis, and are beyond the scope of the Technical Guidance and the User Spreadsheet tool.

RESULTANT ISOPLETHS

Hearing Group	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
SEL_{cum} Threshold	199	198	173	201	219
PTS Isopleth to threshold (meters)	**20.8**	**1.8**	**30.7**	**12.6**	**0.9**

WEIGHTING FUNCTION CALCULATIONS

Weighting Function Parameters	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
a	1	1.6	1.8	1	2
b	2	2	2	2	2
f_1	0.2	8.8	12	1.9	0.94
f_2	19	110	140	30	25
C	0.13	1.2	1.36	0.75	0.64
Adjustment (dB)†	**-0.05**	**-16.83**	**-23.50**	**-1.29**	**-0.60**

$$W(f) = C + 10\log_{10}\left\{\frac{(f/f_1)^{2a}}{[1+(f/f_1)^2]^a[1+(f/f_2)^2]^b}\right\}$$

A.1: Vibratory Pile Driving (STATIONARY SOURCE: Non-Impulsive, Continuous)

VERSION 2.0: 2018

KEY

	User Provided Information
	NMFS Provided Information (Technical Guidance)
	Resultant Isopleth

STEP 1: GENERAL PROJECT INFORMATION

PROJECT TITLE	BAE Waterfront Infrastructure Maintenance, Repair, and Replacement Project
PROJECT/SOURCE INFORMATION	Caltrans Compendium and BAE SD Ship Repair Project Description

Please include any assumptions

PROJECT CONTACT	Keith Merkel

STEP 2: WEIGHTING FACTOR ADJUSTMENT

		Specify if relying on source-specific WFA, alternative weighting/dB adjustment, or if using default value
Weighting Factor Adjustment (kHz)¥	2.5	

¥ Broadband: 95% frequency contour percentile (kHz) OR Narrowband: frequency (kHz); For appropriate default WFA: See INTRODUCTION tab

† If a user relies on alternative weighting/dB adjustment rather than relying upon the WFA (source-specific or default), they may override the Adjustment (dB) (row 48), and enter the new value directly. However, they must provide additional support and documentation supporting this modification.

*** BROADBAND Sources: Cannot use WFA higher than maximum applicable frequency (See GRAY tab for more information on WFA applicable frequencies)**

STEP 3: SOURCE-SPECIFIC INFORMATION

Source Level (RMS SPL)	147
Number of piles within 24-h period	40
Duration to drive a single pile (minutes)	10
Duration of Sound Production within 24-h period (seconds)	24000
10 Log (duration of sound production)	43.80
Propagation (xLogR)	15
Distance from source level measurement (meters)*	10

*Unless otherwise specified, source levels are referenced 1 m from the source.

NOTE: The User Spreadsheet tool provides a means to estimates distances associated with the Technical Guidance's PTS onset thresholds. Mitigation and monitoring

requirements associated with a Marine Mammal Protection Act (MMPA) authorization or an Endangered Species Act (ESA) consultation or permit are independent management decisions made in the context of the proposed activity and comprehensive effects analysis, and are beyond the scope of the Technical Guidance and the User Spreadsheet tool.

RESULTANT ISOPLETHS

Hearing Group	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
SEL_{cum} Threshold	199	198	173	201	219
PTS Isopleth to threshold (meters)	**2.8**	**0.2**	**4.2**	**1.7**	**0.1**

WEIGHTING FUNCTION CALCULATIONS

Weighting Function Parameters	Low-Frequency Cetaceans	Mid-Frequency Cetaceans	High-Frequency Cetaceans	Phocid Pinnipeds	Otariid Pinnipeds
a	1	1.6	1.8	1	2
b	2	2	2	2	2
f_1	0.2	8.8	12	1.9	0.94
f_2	19	110	140	30	25
C	0.13	1.2	1.36	0.75	0.64
Adjustment (dB)†	**-0.05**	**-16.83**	**-23.50**	**-1.29**	**-0.60**

$$W(f) = C + 10\log_{10}\left\{\frac{(f/f_1)^{2a}}{[1+(f/f_1)^2]^a[1+(f/f_2)^2]^b}\right\}$$

Appendix D-2

BAE Systems Construction – Airborne Noise Levels for Potential Impacts on Marine Mammals

Memorandum

To:	Peter Eichar, District Senior Project Manager
From:	Jonathan Higginson, INCE Senior Manager, Noise Analyst
Date:	June 23, 2020
Re:	**BAE Systems Construction – Airborne Noise Levels for Potential Impacts on Marine Mammals**

Introduction

This memorandum is being prepared to inform the Environmental Impact Report (EIR) for the proposed project and is intended solely to provide the technical background and analysis necessary to determine potential impact distances for in-air acoustic impacts to marine mammals. Mitigation measures required as a result of the findings in this memorandum, if any, will be developed as part of the EIR and described in the Biological Resources section of that document.

Waterside construction activities, such as the impact and vibratory pile driving and removal proposed as part of the project, will generate both underwater (hydroacoustic) noise and airborne (in-air acoustic) noise. Underwater noise may affect both fish and marine mammals; these effects are addressed separately in the project's *Biological Technical Study and EFHA* (Merkel & Associates 2020). In addition, marine mammals may potentially be impacted by airborne noise while they are hauled out onto land (i.e., while they are in air rather than in water). The purpose of this memorandum is to provide calculated in-air noise levels and associated impact distances due to airborne noise from proposed project construction. Potential impact distances are calculated based on current guidance provided by National Oceanic and Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS) for potential in-air acoustic impacts to marine mammals. This memorandum identifies the current applicable thresholds, describes the methods used in the calculations, and summarizes the results of the analysis.

Applicable Thresholds

The Marine Mammal Protection Act (MMPA) regulates the "take" of marine mammals, including take through exposure to sound. For in-air acoustic impacts to marine mammals there are two levels of potential take. Take with the potential for injury is considered Level A take. Exposure to high sound levels may result in auditory threshold shifts (TS) wherein animals suffer from noise-induced loss of

hearing over a portion or all of the animal's auditory range. The effects may be temporary threshold shifts (TTS) or permanent (PTS). Level B take may result in behavioral disruption but not injury. Current in-air acoustic thresholds for marine mammals are provided by NMFS[1] and are summarized in Table 1. It is noted that thresholds are currently only provided for Level B take (behavioral disruption) and that no threshold is currently established for Level A take (injury). Because injury is a more severe effect than behavioral disruption it follows that Level A take would occur at higher noise levels than those associated with Level B take. Therefore, although no specific threshold has been established for Level A take (injury) it can be concluded that avoidance of Level B take would also avoid Level A take. It is noted that the thresholds in Table 1 are all established using unweighted decibels (dB) (also sometimes referred to as "flat" or "Z" weighted), as opposed to A-weighted decibels (dBA) which are typically used for assessing environmental noise impacts on humans. When a sound is measured using both unweighted decibels and A-weighted decibels, the values are rarely the same. For most environmental sound sources the unweighted (dB) level will be higher than the A-weighted (dBA) level. The difference between the two values depends on the frequency content (spectrum) of the sound.

Table 1. NOAA National Marine Fisheries Service Current In-Air Acoustic Thresholds

Criterion	Criterion Definition	Threshold
Level A	PTS (injury) conservatively based on TTS	None established
Level B	Behavioral disruption for harbor seals	90 dB_{rms}
Level B	Behavioral disruption for non-harbor seal pinnipeds	100 dB_{rms}

PTS = permanent hearing threshold shift
TTS = temporary hearing threshold shift
dB = decibels referenced to 20 micro Pascals (re: 20 µPa)
rms = root mean square

Analysis and Estimated Impact Distances

Noise data published by the California Department of Transportation (Caltrans)[2] and the Federal Transit Administration (FTA)[3] indicate maximum A-weighted noise levels (rms) of approximately 101 dBA at 50 feet from impact pile driving and approximately 95 to 101 dBA at 50 feet from vibratory pile driving. Data is not specifically provided for vibratory pile extraction, but it is assumed that the noise levels for vibratory pile extraction would be the same as those reported for vibratory pile driving because the same equipment is used for both activities. As noted previously, the A-weighted noise level (dBA) is not the same as the unweighted noise level (dB). Therefore, the A-weighted source noise levels need to be adjusted before they can be used to predict impact

[1] https://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/threshold_guidance.html

[2] Caltrans. 2020. *Transportation and Construction Vibration Guidance Manual*. Final. CT-HWANP-RT-20-365.01.01. April 2020. Sacramento, CA.

[3] U.S. Department of Transportation/Federal Transit Administration. 2018. *Transit Noise and Vibration Impact Assessment Manual*. Final. FTA Report No. 0123. September 2018. Washington, DC. Prepared by Volpe National Transportation Systems Center. Cambridge, MA.

distances for marine mammals. A review of available pile driving sound spectra (i.e., frequency) data conducted by ICF indicates that unweighted noise levels are up to 6 dB higher for impact pile driving and up to 9.5 dB higher for vibratory pile driving, compared to the A-weighted noise levels. Adjusting the A-weighted noise source levels accordingly results in unweighted noise levels (rms) of approximately 107 dB at 50 feet from impact pile driving and up to 110.5 dB at 50 feet from vibratory pile driving. These unweighted levels were used to calculate potential impact distances from each source assuming a standard attenuation rate of 6 dB per doubling of distance in air. Table 2 summarizes the results of the analysis.

Table 2. Estimated In-Air Potential Impact Distances

Criterion	Criterion Definition	Threshold	Distance from Impact Pile Driving, meters (feet)	Distance from Vibratory Pile Driving or Extraction, meters (feet)
Level B	Behavioral disruption for harbor seals	90 dB_{rms}	108 m (354 ft)	161 m (530 ft)
Level B	Behavioral disruption for non-harbor seal pinnipeds	100 dB_{rms}	34 m (112 ft)	51 m (167 ft)

dB = decibels referenced to 20 micro Pascals (re: 20uPa)
rms = root mean square

Conclusions and Assessment of Impact

Referring to the results in Table 2, it is concluded that airborne noise from impact pile driving would be potentially significant for harbor seals at distances of up to 354 feet and for non-harbor seal pinnipeds at distances of up to 112 feet from the pile being driven. Airborne noise from vibratory pile driving or removal would be potentially significant for harbor seals at distances of up to 530 feet and for non-harbor seal pinnipeds at distances of up to 167 feet from the pile.

Appendix D-3

Sensitive Species Potential to Occur Tables

Appendix D-3
Sensitive Species Potential to Occur Tables

Plant Species

The analysis for sensitive plant species was performed for this project by reviewing the California Natural Diversity Database (CNDDB) and CNPS database, and requesting an official threatened and endangered species list from the U.S. Fish and Wildlife Service's (USFWS) Information, Planning, and Consultation System (IPAC). The CNDDB record search for sensitive terrestrial plant species was conducted for the project site and a 1-mile radius (CDFW 2018). The CNPS sensitive plant species search was conducted for the U.S. Geological Survey's Point Loma, California 7.5-minute quadrangle map. Due to the varying topography occurring within the Point Loma quadrangle map, the search was further refined to only include species with habitat requirements within 0 and 20 feet elevation, which would exclude plants that may occur in habitats that vary greatly from the current and historical conditions at the project site. The USFWS list of threatened and endangered species was generated by creating a polygon for the proposed project area through the IPAC web application tool. This search criteria yields a total of 32 sensitive plant species. Upon review of these resources, it was determined that because the site is urban/developed and lacks any natural terrestrial habitat, no sensitive plant species are likely to occur at the project site. A full description of these species and their potential to occur within the project site are presented in Table 1.

Wildlife Species

A CNDDB record search for special-status terrestrial wildlife species was conducted for the project site and a 1-mile radius (CDFW 2018). The USFWS list of threatened and endangered species was generated by creating a polygon for the project site through the IPAC web application tool. Thirteen special-status wildlife species have been recorded within 1 mile of the project site. A full description of these species and their potential to occur within the project site are presented in Table 2.

Table 1. Potential for Sensitive Plant Species to Occur within the Project Site

Common Name (*Scientific Name*)	Sensitivity Code and Status	Habitat Preference/Requirements	Verified On Site (Yes/No)	Potential to Occur	Rationale
Red sand-verbena (*Abronia maritima*)	CRPR 4.2	Perennial herb. Coastal dunes; 0–100 m (0–328 ft). Blooming period: February–November.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
San Diego thorn-mint (*Acanthomintha ilicifolia*)	FT, SE, CRPR 1B.1	Annual herb. Prefers friable or broken clay soils in grassy openings in chaparral and coastal sage scrub, valley and foothill grassland, and vernal pools; 10–960 m (33–3,150 ft). Blooming period: April–June.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Nuttall's lotus (*Acmispon prostrates*)	CRPR 1B.1	Annual herb. Coastal dunes and sandy coastal scrub; 0–10 m (0–32 ft). Blooming period: March–July.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Shaw's agave (*Agave shawii* var. *shawii*)	CRPR 2B.1	Perennial leaf succulent. Coastal bluff scrub, coastal scrub; 10–120 m (32–393 ft). Blooming period: September–May.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
San Diego ambrosia (*Ambrosia pumila*)	FE, CRPR 1B.1	Rhizomatous herb. Sandy loam or clay soils in chaparral, coastal sage scrub, valley and foothill grassland, vernal pools; often in disturbed areas or sometimes alkaline areas. Can occur in creek beds, seasonally dry drainages, and floodplains; 20–415 m (66–1,362 ft). Blooming period: April–October.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Aphanisma (*Aphanisma blitoides*)	CRPR 1B.2	Annual herb. Sandy soils in coastal bluff scrub, coastal dunes, and coastal scrub; 1–305 m (3–1,000 ft). Blooming period: March–June.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Coastal dunes milk-vetch (*Astragalus tener* var. *titi*)	FE, SE, CRPR 1B.1	Annual herb. Often in vernally mesic areas in sandy coastal bluff scrub, coastal dunes, and mesic coastal prairie; 1–50 m (3–164 ft). Blooming period: March–May.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.

Common Name (*Scientific Name*)	Sensitivity Code and Status	Habitat Preference/Requirements	Verified On Site (Yes/No)	Potential to Occur	Rationale
Coulter's saltbush (*Atriplex coulteri*)	CRPR 1B.2	Perennial herb. Alkaline or clay soils in coastal bluff scrub, coastal dunes, coastal scrub, and valley and foothill grassland; 3–460 m (9–1,509 ft). Blooming period: March-October.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
South coast saltscale (*Atriplex pacifica*)	CRPR 1B.2	Annual herb. Coastal bluff scrub, coastal dunes, coastal scrub, playas; 0–140 m (0–459 ft). Blooming period: March–October.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Golden-spined cereus (*Bergerocactus emoryi*)	CRPR 2B.2	Perennial stem succulent. Sandy soils in costal scrub, chaparral, and closed-cone coniferous forest, moist ocean breezes may be a key to its habitat requirements; 3–395 m (9–1,295 ft). Blooming period: May–June.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Lewis' evening-primrose (*Camissoniopsis lewisii*)	CRPR 3	Annual herb. Sandy or clay soils in coastal bluff scrub, cismontane woodland, coastal dunes, coastal scrub, and valley and foothill grassland; 0–300 m (0–984 ft). Blooming period: March–June.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Wart-stemmed ceanothus (*Ceanothus verrucosus*)	CRPR 2B.2	Evergreen shrub. Chaparral; 1–380 m (3–1247 ft). Blooming period: December–May.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Orcutt's pincushion (*Chaenactis glabriuscula* var. *orcuttiana*)	CRPR 1B.1	Annual herb. Sandy soils in coastal bluff scrub and coastal dunes; 0–100 m (0–328 ft). Blooming period: January–August.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Salt marsh bird's-beak (*Chloropyron maritimum* ssp. *maritimum*)	FE, SE, CRPR 1B.2	Hemiparasitic annual herb. Coastal dunes and coastal salt marshes and swamps; 0–30 m (0–98 ft). Blooming period: May–October.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Orcutt's spineflower (*Chorizanthe orcuttiana*)	FE, SE, CRPR 1B.1	Annual herb. Sandy openings in closed-cone coniferous forest, maritime chaparral, and coastal scrub; 3–125 m (9–410 ft). Blooming period: March–May.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.

Common Name (*Scientific Name*)	Sensitivity Code and Status	Habitat Preference/Requirements	Verified On Site (Yes/No)	Potential to Occur	Rationale
Seaside cistanthe (*Cistanthe maritima*)	CRPR 4.2	Annual herb. Sandy soils in coastal bluff scrub, coastal scrub, and valley and foothill grassland; 5–300 m (16–984 ft). Blooming period: February–August.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
San Diego sand aster (*Corethrogyne filaginifolia* var. *incana*)	CRPR 1B.1	Perennial herb. Coastal bluff scrub, chaparral, and coastal scrub; 3–115 m (9–377 ft). Blooming period: June–September.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
San Diego button-celery (*Eryngium aristulatum* var. *parishii*)	FE, SE, CRPR 1B.1	Annual/perennial herb. Mesic soils in coastal scrub, valley and foothill grassland, and vernal pools; 20–620 m (65–2,034 ft). Blooming period: April–June.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
San Diego barrel cactus (*Ferocactus viridescens*)	CRPR 2B.1	Stem succulent. Sandy to rocky areas; chaparral, coastal scrub, valley and foothill grassland, vernal pools; 3–450 m (9–1,476 ft). Blooming period: May–June.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Palmer's frankenia (*Frankenia palmeri*)	CRPR 2B.1	Perennial herb. Coastal dunes, coastal salt marshes and swamps, playas; 0–10 m (0–32 ft). Blooming period: May–July.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Beach goldenaster (*Heterotheca sessiliflora* ssp. *sessiliflora*)	CRPR 1B.1	Perennial herb. Coastal chaparral, coastal dunes, and coastal scrub; 0–1,225 m (0–4,018 ft). Blooming period: March–December.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Vernal barley (*Hordeum intercedens*)	CRPR 3.2	Annual herb. Coastal dunes, coastal scrub, saline flats and depressions in valley and foothill grassland, and vernal pools; 5–1,000 m (16–3,280 ft). Blooming period: March–June	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Southwestern spiny rush (*Juncus acutus* ssp. *leopoldii*)	CRPR 4.2	Perennial rhizomatous herb. Mesic soils in coastal dunes, alkaline seeps in meadows and seeps, and coastal salt marshes and swamps; 3–900 m (9–2,953 ft). Blooming period: May–June	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.

Common Name (*Scientific Name*)	Sensitivity Code and Status	Habitat Preference/Requirements	Verified On Site (Yes/No)	Potential to Occur	Rationale
Robinson's pepper-grass (*Lepidium virginicum* var. *robinsonii*)	CRPR 4.3	Annual herb. Openings in chaparral and sage scrub; below 885 m (2,900 ft). Blooming Period: January–July.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Sea dahlia (*Leptosyne maritima*)	CRPR 2B.2	Perennial herb. Coastal bluff scrub and coastal scrub; 5–150 m (16–492 ft). Blooming period: March–May.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
California spineflower (*Mucronea californica*)	CRPR 4.2	Annual herb. Sandy soils in chaparral, cismontane woodland, coastal dunes, coastal scrub, and valley and foothill grassland; 0–1,400 m (0–4,592 ft). Blooming period: March–August.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Coast woolly-heads (*Nemacaulis denudata* var. *denudata*)	CRPR 1B.2	Annual herb. Coastal dunes; 0–100 m (0–328 ft). Blooming period: April–September.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Slender cottonheads (*Nemacaulis denudata* var. *gracilis*)	CRPR 2B.2	Annual herb. Coastal dunes, desert dunes, and Sonoran desert scrub; -50–400 m (164–1,312 ft). Blooming period: March–May.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Short-lobed broomrape (*Orobanche parishii* ssp. *brachyloba*)	CRPR 4.2	Parasitic perennial herb. Sandy coastal bluff scrub, coastal dunes, and coastal scrub; 3–305 m (9–1,000 ft). Blooming period: April–October.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Brand's star phacelia (*Phacelia stellaris*)	CRPR 1B.1	Annual herb. Coastal dunes, coastal scrub; 1–400 m (3–1,312 ft). Blooming period: March–June	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Oil neststraw (*Stylocline citroleum*)	CRPR 1B.1	Annual herb. Clay soils in chenopod scrub, coastal scrub, and valley and foothill grassland, associated with oilfields; 50–400 m (164–1,312 ft). Blooming period: March–April.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.

Common Name (*Scientific Name*)	Sensitivity Code and Status	Habitat Preference/Requirements	Verified On Site (Yes/No)	Potential to Occur	Rationale
Estuary seablite (*Suaeda esteroa*)	CRPR 1B.2	Perennial herb. Coastal salt marshes and swamps; 0–5 m (0–16 ft). Blooming period: May–January.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.

Sources: USFWS 2018, CNPS 2018, CDFW 2018.
m = meters; ft = feet

Sensitivity Status Key
Federal: Federal Endangered Species Act (ESA) Threatened or Endangered
State: California Endangered Species Act (CESA) Threatened or Endangered
Federal
FE – listed as endangered under the federal Endangered Species Act.
FT – listed as threatened under the federal Endangered Species Act.
State
SE – listed as endangered under the California Endangered Species Act.

CNPS: California Native Plant Society Rare Plant Rank (CRPR):
1B: Considered rare, threatened, or endangered in California and elsewhere
2: Plants rare, threatened, or endangered in California, but more common elsewhere
3: Plants for which we need more information – review list.
4: Plants of limited distribution a watch list.

Decimal notations: .1 – Seriously endangered in California, .2 – Fairly endangered in California, .3 – Not very endangered in California.

Table 2. Potential for Sensitive Wildlife Species to Occur within the Project Site

Common Name (*Scientific Name*)	Sensitivity Code and Status	Habitat Preference/Requirements	Verified On Site (Yes/No)	Potential to Occur	Rationale
Reptiles					
Coast horned lizard (*Phrynosoma blainvillii*)	CSC	Found in arid and semi-arid climate conditions in chaparral, coastal sage scrub, primarily below 2,000 feet in elevation. Critical factors are the presence of loose soils with a high sand fraction; an abundance of native ants or other insects, especially harvester ants (*Pogonomyrmex* spp.), and the availability of both sunny basking spots and dense cover for refuge.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Green sea turtle (*Chelonia mydas*)	FT	Typically occurs within southern San Diego Bay within or adjacent to the shallow eelgrass beds. Individuals may enter or leave San Diego Bay and can be found between San Diego and Mexico.	No	Yes	Green sea turtles may periodically occur on site as they are found throughout San Diego Bay; however, the project area does not offer ideal habitat requirements for the species to preferentially visit for foraging opportunities.
Birds					
Burrowing owl (*Athene cunicularia*)	CSC	Prairies, grasslands, lowland scrub, agricultural lands, coastal dunes, desert floors, and some artificial, open areas. They require large, open expanses of sparsely vegetated areas on gently rolling or level terrain with an abundance of active small mammal burrows. They use rodent or other burrows for roosting and nesting cover and are also known to use pipes, culverts, and nest boxes where burrows are scarce.	No	None	Site consists of highly developed surroundings and open water. No burrows were detected during the site visit; due to routine landscaping, burrows are unlikely at project site. Resident owls in Coronado are unlikely to forage at project site.

Common Name (*Scientific Name*)	Sensitivity Code and Status	Habitat Preference/Requirements	Verified On Site (Yes/No)	Potential to Occur	Rationale
Swainson's hawk (*Buteo Swainsoni*)	ST	Utilizes open country areas in the western U.S. and Canada for breeding, from low to moderate elevations. Prairies, rangelands, meadows, open areas with scattered trees. Cultivated lands attract this hawk in some areas, where the human disturbance of agriculture causes concentrations of insects and rodents.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Western snowy plover (*Charadrius nivosus* ssp. *nivosus*)	FT	Requires open, relatively flat areas with little or no vegetation, including undisturbed beaches, salt flats, playas, dredge spoils, levees, and river bars. Winter distribution is more coastal, and may include sewage treatment ponds and agricultural wastewater sites.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*)	FT SE	Only a handful of small populations remain in all of California. Losses are tied to obvious loss of nearly all suitable habitat, but other factors may also be involved. Relatively broad, well-shaded riparian forests are utilized, although it tolerates some disturbance. A specialist to some degree on tent caterpillars.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
American peregrine falcon (*Falco peregrines anatum*)	FPS	Occurs along coast; breeds in woodland, forest, and coastal habitats. Riparian areas are important year-round habitats.	No	Breeding: None Foraging: Moderate	Site is urban/developed. Current site conditions lack suitable natural or artificial cliff-like ledges for nesting. Project location has potential for foraging only. Falcon preys upon bird species commonly associated with urban areas.
California brown pelican (*Pelecanus occidentalis californicus*)	FPS	Nesting typically occurs on islands on ground or within shrubs. No nesting occurs in San Diego Bay. Commonly observed foraging throughout San Diego Bay and near coastal areas for schooling fish species such as anchovy, sardine, and mackerel.	No	Breeding: None Foraging: Yes	Pelicans are commonly found throughout San Diego Bay. Foraging potential is high anywhere schooling fish species can be found. Birds also commonly associate with fishing boats as recreational fishermen discard bait.

Common Name (*Scientific Name*)	Sensitivity Code and Status	Habitat Preference/Requirements	Verified On Site (Yes/No)	Potential to Occur	Rationale
Coastal California gnatcatcher (*Polioptila californica californica*)	FT CSC	Occurs within coastal sage scrub along the California coast. Prefers low-lying vegetation dominated by sagebrush, buckwheat, salvia, and prickly-pear cactus. Forages almost exclusively on insects.	No	None	Site is urban/developed. Suitable habitat for this species does not exist in the project area.
California least tern (*Sterna antillarum browni*)	FE SE FPS	Shallow estuaries, lagoons, and long marine shores.	No	Breeding: None Foraging: Yes	Site is urban/developed. Species nests in open areas relatively free of human disturbance on sandy or gravelly substrate, which may exist on some rooftop areas. Foraging occurs over open water for small fish species. Foraging and resting potential along rip-rap within project area.
Least Bell's vireo (*Vireo bellii pusillus*)	FE SE	Riparian thickets either near water or in dry portions of river bottoms; nests along margins of bushes and forages low to the ground; may also be found using mesquite and arrow weed in desert canyons.	No	Nesting: None Foraging: None	Site is urban/developed. Riparian vegetation does not occur within or adjacent to the project area.
Mammals					
Pocketed free-tailed bat (*Nyctinomops femorosaccus*)	CSC	Favors rocky desert areas with high cliffs or rock outcrops for roosts; roosts in crevices; reproduces in crevices, caverns, or buildings.	No	Roosting: None Foraging: None	Site is urban/developed. Structures on-site are not suitable for roosting, and area is unlikely for foraging.
Pacific pocket mouse (*Perognathus longimembris pacificus*)	FE	Coastal strand, coastal dunes, river alluvium, and coastal sage scrub, favoring less densely vegetated areas.	No	None	Site is urban/developed. Native vegetation communities are not present in project area.

Source: CDFW 2018

Status:

Federal

FE – listed as endangered under the federal Endangered Species Act.

FT – listed as threatened under the federal Endangered Species Act.

State

SE - listed as endangered under the California Endangered Species Act.
ST – listed as threatened under the California Endangered Species Act.
FPS – fully protected species in California.
CSC – species of special concern in California.

References

California Department of Fish and Wildlife (CDFW). 2018. *California Natural Diversity Database*. August 21, 2018.

California Native Plant Society (CNPS). 2018. *Inventory Of Rare And Endangered Plants* (Online Edition, V8-02). California Native Plant Society. Sacramento, CA. Available: http://www.rareplants.cnps.org/advanced.html Accessed: August 21, 2018.

U.S. Fish and Wildlife Service (USFWS) 2018. Information, Planning, and Consultation System (IPAC).

Appendix E

Hazardous Materials Technical Study

Hazardous Materials Technical Study

BAE Systems Waterfront Improvement Project
2205 East Belt Street
San Diego, California

ICF

525 B Street, Suite 1700 | San Diego, California 92101

January 25, 2019 | Project No. 108665001









Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Hazardous Materials Technical Study

BAE Systems Waterfront Improvement Project
2205 East Belt Street
San Diego, California

Ms. Elizabeth Doalson
ICF
525 B Street, Suite 1700 | San Diego, California 92101

January 25, 2019 | Project No. 108665001



Lisa Bestard
Senior Environmental Scientist



Stephan A. Beck PG 4375
Manager, Environmental Sciences Division

LB/SB/gg

Distribution: (1) Addressee (via e-mail)

CONTENTS

1 INTRODUCTION 1
1.1 Purpose 1
1.2 Scope of Work 1
1.3 Limitations and Exceptions 2
1.4 Special Terms and Conditions 2
1.5 User Reliance 2
2 PROJECT SITE LOCATION 3
3 PROJECT DESCRIPTION 3
4 PHYSICAL SETTING 4
5 RECORDS REVIEW 5
5.1 Standard Environmental Record Source - Environmental Database Search 5
5.1.1 Geocoded (Mapped) Listings 5
5.1.2 Non-Geocoded (Unmapped) Listings 14
5.1.3 Online Regulatory Databases 15
6 HISTORICAL USE INFORMATION 15
6.1 Sanborn® Fire Insurance Maps, Historical Aerial Photographs, Topographic Maps, and Previous Historical Review 15
6.2 Previous Reports and Environmental Background 16
6.2.1 Landside 17
6.2.2 Waterside 18
7 FINDINGS AND OPINIONS 19
8 PROJECT IMPACT ANALYSIS – HAZARDS AND HAZARDOUS MATERIALS 21
8.1 CEQA Significance of Impacts 21
8.2 Evaluation of Project Impacts 21
8.3 Mitigation Measures 23
9 REFERENCES 24

TABLES

1 – Physical Setting 4
2 – Summary of Site Environmental Database Listings 6
3 – Site Listings of Potential Concern 8
4 – Off-Site Facilities of Potential Concern 12
5 – Online Regulatory Databases 15
6 – CEQA Tresholds of Significance 21

FIGURES

1 – Site Location
2 – Site and Vicinity

APPENDICES

A – Project Elements Figure (ICF)
B – Environmental Database Report
C – Historical Research Documentation

1 INTRODUCTION

Ninyo & Moore was retained by ICF (the Client) on behalf of the San Diego Unified Port District (the District) to perform a Hazardous Materials Technical Study (HMTS) of BAE Systems (BAE) Waterfront Improvement Project area, located at 2205 East Belt Street, San Diego, California (hereinafter referred to as the site or project area). The following sections discuss the purpose, the involved parties, the scope of services, and the limitations and exceptions associated with the HMTS.

1.1 Purpose

The purpose of this HMTS is to document the presence of properties, which may have been impacted by hazardous materials or wastes, and to document, with respect to the California Environmental Quality Act (CEQA), the significance of impacts of the proposed project, as described in Section 3, with respect to hazardous materials and wastes, and to discuss measures that can be implemented to reduce or mitigate the impacts. The HMTS consisted of a review and summary of publicly available federal, state, and local regulatory databases and historical resources. This report addresses existing environmental conditions at the site.

1.2 Scope of Work

Ninyo & Moore's scope of work for this HMTS included the activities listed below.

- Reviewed physical setting and background information (i.e., topographic maps, geologic maps, etc.) pertaining to the site.
- Reviewed in-house reports pertaining to the site.
- Conducted an environmental database search for the project area and properties adjacent to the project area. The purpose of this review was to document the quantity and/or general nature of sites with unauthorized releases of hazardous materials or wastes to soil and/or groundwater on or adjacent to the project area
- Reviewed online databases including the State Water Resources Control Board (SWRCB) GeoTracker, Department of Toxic Substances Control (DTSC) EnviroStor, and the United States Army Corps of Engineers (USACOE) Formerly Used Defense Sites (FUDS) databases to supplement the environmental database search.
- Reviewed readily available historical sources, to document, in general, areas within the site that may have been historically developed with uses indicative of potential environmental concerns (e.g., waste disposal, industrial, etc.).
- Evaluated the findings with respect Questions A, B, and D of Section 8, Hazards and Hazardous Materials within Appendix G of CEQA.

- Prepared this HMTS report documenting findings and providing opinions and recommendations regarding portions of the project area that may have a higher likelihood of being associated with soil and/or groundwater contamination, and potential impacts from hazardous materials or wastes.

1.3 Limitations and Exceptions

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

Our conclusions, recommendations, and opinions are based on an analysis of the observed project area conditions and the referenced literature. It should be understood that the conditions within the project area could change with time as a result of natural processes or the activities of man at a particular property. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

1.4 Special Terms and Conditions

The following, which is not intended to be all inclusive, represents out-of-scope items with respect to this HMTS, and, therefore, were not addressed: human health risk assessment, underground pipeline risk assessment, wetlands, regulatory compliance, cultural and historic risk, industrial hygiene, health and safety, ecological resources, endangered species, mold, and, air quality. In addition, Ninyo & Moore did not address interpretations of zoning regulations, building code requirements, or property title issues.

1.5 User Reliance

This report may be relied upon by, and is intended exclusively for, the client and its assigns. Any use or reuse of the findings, opinions, and/or conclusions of this report by parties other than the above-referenced client is undertaken at said parties' sole risk.

2 PROJECT SITE LOCATION

The site is addressed 2205 East Belt Street in San Diego, California and includes 11.7 acres of land (landside) and 24.1 acres of water (waterside) in San Diego Bay (the Bay) (Figure 2). The site is bounded on the northeast by East Belt Street followed by railroad tracks and off-site facilities associated with the BAE Shipyards operations, on the southeast by the National Steel and Shipbuilding Company (NASSCO) Shipyard, on the west by San Diego Bay, and on the northwest by R.E. Staite Engineering (R.E. Staite), a marine and landside construction general contractor (Figure 2). The project area consists of the BAE San Diego Ship Repair Yard, which is comprised of three working piers (Piers 1, 3, and 4), five wet berths, and two floating drydocks (Pride of San Diego and Pride of California), that are used to modernize, repair, and overhaul marine vessels and multiple landside buildings utilized for offices, repair/machine shops, storage, and maintenance with associated parking areas (Figure 2).

3 PROJECT DESCRIPTION

The proposed Waterfront Improvement Project includes the following 15 project elements intended to improve the efficiency and functionality of the ship yard. The location of each element is depicted on the Project Elements figure, prepared by ICF, which is attached as Appendix A.

1. Pride of San Diego Drydock Dredging and Moorage Replacement: Removal and off-site disposal of approximate 92,800 cubic yards (cy) of dredged sediments to a depth of approximately -80 feet mean lower low water (MLLW).

2. Pride of San Diego Drydock Wharf Replacement and Realignment: Demolition of the existing wharf and piles, installation of new concrete piles and wharf, and installing additional improvements at the end of the drydock (i.e., apron, access ramp, and support platform).

3. Fender System Repair and Replacement: Removal and replacement of existing steel fenders.

4. Pier 3 South Nearshore Dredging: Removal and off-site disposal of approximately 15,000 cy of dredged sediment to depths ranging from -17 to -35 feet MLLW, plus 2 feet of over-depth dredging.

5. Pier 3 Mooring Dolphin: Installation of an additional mooring dolphin, which includes installing new piles.

6. Pier 3 North Lunchroom Wharf Replacement and Realignment: Removal and replacement of the existing wharf and piles.

7. Quay Wall Modifications: Removal and off-site disposal of approximately 300 cy of rock and 500 cy of sediment by dredging and installation of 50 linear feet of submerged sheet pile.

8. Port Security Barrier Replacement: Remove and replace the existing floating security boom.

9. Small Boat Mooring Float Replacement: Remove and replace the existing mooring float, including piles.

10. Central Tool Room Demolition and Reconstruction: Demolish the existing structure at the foot of Pier 3 and construct a replacement structure on the wharf as part of the Pier 3 North Lunchroom Wharf Replacement and Realignment and replace the existing restroom facilities.

11. New Production Building: Demolish the existing production building and construct a new building in the same area.

12. Administration Office Building: Remove existing portable office trailers and construct a new administration building in the same area.

13. Pier 1 Restroom Renovation and/or Demolition: Demolition and or retrofitting of the existing restroom facilities.

14. Main Electrical Utility Service Update: Relocate the existing electrical main to Building 65 along East Belt Street.

15. Sanitary Sewer and Potable Water Utility Services: Replace the existing sewer and water feeds.

For the purpose of this report, Ninyo & Moore assumes the landside construction activities may include shallow subsurface excavation and grading for utilities, footings, and foundations.

4 PHYSICAL SETTING

The following table summarizes topographic, geologic, and hydrogeologic conditions in the site vicinity.

Table 1 – Physical Setting

Topography	A	The site is situated at an elevation of 10 feet above mean sea level (MSL). The topography at the site and vicinity is relatively flat and slopes gently to the southwest toward the Bay.
Site Geology	B, C	The landside portion of the site is underlain by Holocene-aged artificial fill. Belt Street, adjacent to the north of the site, is the general location of the historical shoreline of the Bay. In the 1930s, the area southwest of Belt Street was reportedly created by placing hydraulic dredged fill from the Bay. The fill was reportedly described by others as “medium to dark gray, loose to dense silty sand with occasional layers of organic rich material, lean sandy clay, and shell fragments (ENV, 2004).” The waterside portions of the site consist of late-Holocene undivided marine deposits in an offshore region.
Surface Water	D	Approximately 24.1-acres of the site is located within the Bay, which has existing beneficial uses for coastal waters for industrial service supply; navigation; contact and non-contact recreation; commercial fishing; estuarine, marine, and wildlife habitat; preservation of biological habitats of special significance; migration of aquatic organisms; rare, threatened, or endangered species; spawning, reproduction, and/or early development; and shellfish harvesting.

Table 1 – Physical Setting		
Groundwater	D, E	The site is located within San Diego Mesa Hydrologic Area (HA) of the Pueblo San Diego Hydrologic Unit. There are currently no existing beneficial uses of groundwater identified by the Basin Plan and groundwater in the HA been excepted from municipal supply Based on information obtained by Ninyo & Moore during a previous subsurface investigation on the northern landside portion of the site, the depth to water ranged from 8.4 to 10.1 feet below ground surface (Ninyo & Moore, 2011). Groundwater flow direction at the site is not known; however, based on the physical setting of the site and vicinity, is anticipated to flow toward the Bay and is anticipated to be tidally influenced. The groundwater level and flow direction may vary due to hydrogeologic properties, such as soil porosity and permeability, groundwater extraction, recharge by irrigation and rainfall, tides, and other factors.

References:
A – United States Geological Survey (USGS), Point Loma Quadrangle, California – San Diego Co., 7.5-minute quadrangle map (USGS, 2012)
B – Kennedy, Michael P. and Tan, Siang S., 2008, Geologic Map of the San Diego 30' x 60' Quadrangle, San Diego County, California, Scale 1:100,000.
C – ENV America Incorporated (ENV), Site Assessment Report, Landside Tidelands Lease Area, Silver Gate Power Plan, San Diego, California (ENV, 2004)
D – Regional Water Quality Control Board (RWQCB), Water Quality Control Plan for the San Diego Basin (RWQCB, 2016)
E – Ninyo & Moore, Subsurface Investigation, San Diego Gas & Electric Tidelands Area, Belt Street and San Diego Bay, San Diego, California (Ninyo & Moore, 2011)

5 RECORDS REVIEW

The following sections summarize records reviewed for the site.

5.1 Standard Environmental Record Source - Environmental Database Search

A computerized, environmental information database search was performed by Environmental Data Resources, Inc. (EDR) on December 14, 2018 (Appendix B). The standard databases searched and summarized were consistent with those described in the ASTM International (ASTM) Standard for Phase I Environmental Site Assessments (ESAs). A search radius of 1/8-mile was used to identify properties within and adjacent to the project area. The review was conducted in order to assess the significance of properties within the project area and adjacent properties that have been documented as having experienced significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects.

5.1.1 Geocoded (Mapped) Listings

The site was listed under various names, including, but not limited to: BAE Shipyard, Frazier Boiler Service, NASSCO, Lockheed Martin Global Training & Logistics, California Marine Cleaning, Southwest Marine, Chevron USA Inc, Bumble Bee Seafoods, Austal USA, Shipyard Sediment Site – North Shipyard, Corrpro Companies Inc., and AMSEC LLC.

The site was listed on the environmental databases searched 150 times. The following table lists the databases on which the site appeared, a brief summary of databases, the number of times the site was listed on the database, and if any of the listing were evaluated to be of a potential environmental concern.

Table 2 – Summary of Site Environmental Database Listings

Database Name	Database Summary	Number of Listings	Listings of Potential Concern (Yes/No)
FEDERAL DATABASES			
SEMS-ARCHIVE (Superfund Enterprise Management System Archive)	Database, formerly known as CERCLIS-NFRAP, tracks sites that have no further interest under the Federal Superfund Program. Indicates that assessment has been completed and no further steps will be taken to list the site on the National Priorities List (NPL). It does not necessarily indicate that there is no hazard associated with the site, but that the location is not determined to be a potential NPL site.	1	No
RCRA – LQG (Large Quantity Generator)	The database includes sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) in amounts over 1,000 kilograms (kg) for hazardous waste or 1 kg for acutely hazardous waste per month.	3	No
RCRA – SQG (Small Quantity Generator)	The database includes sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA in amounts between 100 and 1,000 kg per month.	2	No
ERNS (Emergency Response Notification System)	Records and stores information on reported releases of oil and hazardous substance.	55	Yes
STATE/TRIBAL DATABASES			
San Diego Co. SAM (Site Assessment and Mitigation)	Listings containing underground storage tank (UST) release cases pertaining to properties contaminated with hazardous substances that are actively under review by the SAM program	1	Yes
LUST (Geotracker's Leaking Underground Fuel Tank Report)	SWRCB database that lists sites that impacted, or have the potential to impact, water quality in California, with emphasis on groundwater associated with leaking underground storage tanks (LUST).	2	Yes
CPS -SLIC (Cleanup Program Sites - Spills, Leaks, Investigation and Cleanup)	Cleanup program sites included on the SWRCB's Geotracker data base, which lists sites that impact, or have the potential to impact water quality, with emphasis on groundwater	2	Yes
UST (registered underground storage tanks)	Lists facilities with active USTs.	1	No
AST (registered aboveground storage tanks [ASTs])	Lists facilities with active aboveground petroleum storage tanks.	2	No

Table 2 – Summary of Site Environmental Database Listings			
Database Name	**Database Summary**	**Number of Listings**	**Listings of Potential Concern (Yes/No)**
ADDITIONAL ENVIRONMENTAL RECORDS			
San Diego Co. HMMD (Hazardous Materials Management Division)	Contains information regarding business with a hazardous materials permit, including inspection dates, violations, hazardous wastes generated/stored/disposed, and USTs. Also includes summary of environmental contamination cases.	3	No
HIST UST (Historical UST)	An historical listing of facilities with USTs.	2	No
CHMIRS (California Hazardous Material Incident Report System)	Contains information on reported hazardous materials incidents (accidental releases or spills).	42	Yes
ICIS (Integrated Compliance Information System)	Provides information regarding the enforcement and compliance with the National Pollutant Discharge Elimination System (NPDES), including storm water.	2	Yes
FINDS (Facility Index System/ Facility Registry System)	Contains information and points to other sources that contain more detailed information on a facility.	6	Yes (1 listing)
ECHO (Enforcement & Compliance History Information)	Provides compliance and enforcement information for regulated facilities.	3	Yes (1 listing)
EMI (Emissions Inventory Data)	Toxics and criteria pollutant emissions data collected by the Air Resources Board and local air pollution control agencies.	1	No
ENF (Enforcement Action Listing)	Lists SWRCB enforcement actions.	1	Yes
HAZNET	Includes information extracted from copies of hazardous waste manifests received by the DTSC associated with the disposal of hazardous waste.	15	No
HIST CORTESE (Hazardous Waste & Substances Site List)	Lists sites designated by the SWRCB as LUSTs, by the California Department of Resources Recycling and Recovery (CalRecycle) as a solid waste landfill/disposal site, or by DTSC as a CALSITE. This database is no longer updated by the regulatory agencies.	1	No
NPDES (National Pollutant Discharge Elimination System)	A listing of NPDES permits, including storm water.	2	No
Notify 65	Listings of Proposition 65 incidents. This database is no longer updated by the reporting agency.	1	No
CIWQS (California Integrated Water Quality System)	Tracks information about places of environmental interest, manages permits/other orders, tracks inspections, and manages violations/enforcement activities.	2	No

The following table includes additional information regarding database listings for the site that were interpreted to be a potential environmental concern based upon a review of the database report. To supplement the information in the EDR report, the SWRCB GeoTracker website and County of San Diego Department of Environmental Health (DEH) online records were reviewed, as necessary. Copies of select documents reviewed are provided Appendix C.

Table 3 – Site Listings of Potential Concern

Facility Name / Address	Database	Summary
2205 East Belt Street	ERNS	The ERNS database contained 55 listings for the site address. The listings were associated with reports of releases of hazardous materials to the Bay. There were no listings for releases to land. The majority of the releases were associated with accidental releases of minor amounts fuels, oils, paints, bleach, and sand-blast materials to the Bay associated with ship maintenance or repair activities or unknown "oily sheens." The majority of releases were reported to have either been contained using booms and cleaned up using absorbents or to have been unrecoverable and allowed to naturally dissipate. Three listings (March 13 and August 23, 2013 and April 10, 2014) reference the source of an oily sheen on the Bay as being contaminated soil from a construction project on the landside The August 2013 listing specifically notes the work was being performed on the Pier 4 bulkhead; however, the other listings did not include the location of the construction work. If subsurface excavation activities are proposed along the bulkheads, there is the potential to encounter fuel-impacted soil and/or groundwater. One listing from April 30, 2013, mentions the source of the oily sheen as creosote piles. If creosote piles are proposed for demolition, they will require special handling and disposal and it is possible additional precautions may be needed to cleanup and/or minimize the spread of an oily sheen during demolition activities.
	CHMIRS	The CHMIRS database contained 42 listings for the site address. The listings were associated with reports of releases of hazardous materials to the Bay, most of which are duplicate listings from the ERNS database. There were no listings for releases to land. The majority of the releases were associated with accidental releases of minor amounts fuels, oils, paints, bleach, and sand-blast materials to the Bay associated with ship maintenance or repair activities or unknown "oily sheens." The majority of releases were reported to have either been contained using booms and cleanup using absorbents or to have been unrecoverable and allowed to naturally dissipate. The August 23, 2013 and April 10, 2014 releases detailed in the ERNS listings above were also listed on this database with similar notations regarding the source of the oily sheen as contaminated soil on the landside.

Table 3 – Site Listings of Potential Concern		
Facility Name / Address	**Database**	**Summary**
Southwest Marine Inc 1427 W Sampson Street	San Diego Co. SAM	The listing is associated with one unauthorized release case (H09689-003) opened on September 2002. The case status is listed as "Remedial Investigation." Additional records were reviewed on the County of San Diego's website, which lists the address as 2205 East Belt Street. The County of San Diego referred the case to the RWQCB on October 16, 2002; however, information regarding this case was not available on the GeoTracker database. The DEH records included an "Additional Soil and Groundwater Investigation" report, prepared by EnecoTech Southwest, Inc., dated November 15, 2002. The report states that petroleum-impacted soil was encountered during installation of an electrical conduit in July 2002. The figures indicate that the area is located between the "Sand Blast Building" and the Bay, which is generally in the southwest portion of the site along the bulkhead between Piers 3 and 4 (Figure 2). Initial soil samples indicated total petroleum hydrocarbons (TPH) in the diesel/oil range of up to 5,200 milligrams per kilogram (mg/kg). In September and October 2002, 23 borings were advanced to assess soil and groundwater conditions in the area. The report indicates an area of diesel impacted soil, approximately 265 feet (north to south) by 165 feet (east to west), is present with concentrations of TPH up to 15,000 mg/kg. The diesel concentrations were generally present between 5 and 10 feet below ground surface (bgs), with the highest concentrations detected at depths of 8 to 9 feet bgs, which generally corresponds to the depth to groundwater/capillary fringe zone. An area of gasoline impacted soil, approximately 125 feet (north to south) by 55 feet (east to west), is present with concentrations of up to 2,200 mg/kg. Benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE) were detected in one soil sample at maximum concentrations of 3.9, 4.4. 18, 19, and 6.0 mg/kg, respectively. A gasoline- and diesel-impacted groundwater plume was identified spanning an area of approximately 265 (north to south) and 125 feet (east to west) with concentrations of gasoline up to 6,000 micrograms per liter (µg/l). BTEX and MTBE were detected at maximum concentrations of 36, 19, 38, 39, and 450 µg/l, respectively. Select portions the EnecoTech report, including figures, are provided in Appendix C. Based on this additional information, subsurface excavation activities in the area will likely encountered petroleum hydrocarbon-impacted soil and groundwater. In addition, the location of this release may correspond to the location of the landside soil contamination noted in the ERNS/CHMIRS listings described above.

Table 3 – Site Listings of Potential Concern

Facility Name / Address	Database	Summary
Southwest Marine Inc 2205 E Belt Street and Foot of Sampson Street	LUST	These two listings are associated with one closed unauthorized release case (H09689-002) for the release of diesel fuel to soil. Documents on the GeoTracker database indicate that the case was opened as a result of soil sampling performed during the closure in-place of a 10,000-gallon diesel UST when fuel-impacted soil was observed in the area of a former fuel dispenser. The UST and piping were reported to have been cleaned and filled with slurry. Soil and groundwater samples were collected in the vicinity of the former dispenser. It was estimated that less than 10 cy of hydrocarbon-impacted soil is present at depths of 5 to 13 feet bgs in the vicinity of the former dispenser. TPH in the diesel and oil ranges was detected at maximum concentrations of 44,302 and 34,373 mg/kg, respectively; however, volatile organic compounds (VOCs) were not detected. The case was issued closure on May 13, 1998 on the basis that under the site usage at that time (i.e., industrial), the level of contaminants did not pose a threat to human health or the environment. Documents on the DEH's database indicate that the UST was located along the southern side of the Sicard Street extension along the site boundary with NASSCO and the dispenser was located along the bulkhead between Piers 3 and 4 with the piping connecting the two (Figure 2; Appendix C). Subsurface excavation work in the area may encounter the slurry-filled UST, slurry-filled piping, and/or fuel-impacted soil that may require special handling and/or disposal.
	CPS-SLIC	This listing is associated with two cleanup program site listings. The first cleanup program site is associated with an unauthorized release case (H09689-001) under the jurisdiction of the DEH. Records reviewed on the DEH website indicate that the release case is associated with management of sediments dredged from along Pier 1. The project proposed to stockpile the sediments on the landside and requested DEH concurrence on the handling of materials. Approximately 13,280 cy of sediments were stockpiled onsite in 1992/1993, dewatered, and either disposed of or reused off site. The case is listed as closed as of 1993. The second listing is a duplicate listing of the BAE Shipyard Sediment Site, which is discussed under the BAE CPS-SLIC listing below.

Table 3 – Site Listings of Potential Concern

Facility Name / Address	Database	Summary
BAE Systems San Diego Ship Repair 2205 East Belt Street	CPS-SLIC FINDS	These listings are associated with San Diego Bay Shipyard Sediment Cleanup for the NASSCO and BAE Leaseholds. The portions of the sediment cleanup area that are located on the site are referred to as the North Shipyard Cleanup. Elevated levels of metals and other pollutants above Bay background concentrations were identified in marine sediments along the eastern shore of the Bay in the area of the site, which were at a level to cause contamination or nuisance in the Bay that adversely impacted aquatic life, aquatic dependent wildlife, human health, and Bay beneficial uses. The RWQCB issued a Cleanup and Abatement Order (CAO) R9-2012-0024 that ordered the cleanup of the impacted sediments to established cleanup levels. According to documents available on the GeoTracker database, sediments exceeding established cleanup levels were removed except when not feasible (i.e., due to risk of undermining slopes or existing structures). Approximately 114,085 cy of impacted sediments were removed and disposed of off site. Impacted sediments that it was not feasible to remove were covered with sand or gravelly sand. Remedial activities were completed on April 15, 2016. The RWQCB concurred with the completion of the cleanup activities and the site is now performing post-remedial monitoring to evaluate the effectiveness of the remediation. Impacted sediments that were not feasible to be removed remain in-place below a sand/gravelly sand cap. In addition, clean up levels for impacted sediments allowed for concentrations of metals, polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and tributyl tin that if removed from the site may require special handling and/or disposal. Based on this, sediments dredged from the Bay may contain levels of contaminants that require special handling and/or disposal. Additional discussion is provided in Section 6.2.2.
	ENF	The listing includes numerous violations and enforcement actions related to their NPDES permit from 1989 through 2015. Potential impacts to Bay sediments from storm water discharges are addressed in the CPS-SLIC/FINDS listing above.
Lockheed Martin Missiles and Fire Control ISEAFS 2205 E Belt Street	ICIS	The listing indicates that the facility received 14 informal and formal enforcement actions associated with their NPDES permit. Information regarding the dates and details of the violations were not available.
	ECHO	The listing indicates that the facility was in non-compliance with the Clean Water Act in seven of the last 12 quarters (from October 2015 of December 2018) associated with their NPDES permit. However, the listing indicates that there have been no quarters with a significant violation. Additional information was not available
Pacific Ship (BAE Systems 2205 East Belt	ICIS	This listing includes one formal enforcement action; however, additional details were not available.

Note:
A complete description of the database is provided in the EDR Report (Appendix B).

Off-site properties within 1/8-mile of the site appeared on various regulatory agency databases. Off-site properties/facilities listed in the database report were evaluated as to their potential to impact soil and/or groundwater at the site. To supplement the information in the EDR report, the SWRCB GeoTracker website, DTSC's Envirostor website, and DEH online records were reviewed, as necessary. The following properties/facilities were interpreted to represent a potential environmental concern to the site, based on the proximity to the site and the nature of the database on which they listed, and were further evaluated.

Table 4 – Off-Site Facilities of Potential Concern

Facility Name / Address	Distance/ Direction from Site	Database	Summary
Harbor Boat and Tug/ ISP Alginates/ R.E. Staite Engineering/ Kelco Division of Merck & Co., Inc./ CP Kelco 2145 East Belt Street	Adjacent NNW	Envirostor LUST CPS-SLIC AST SWEEPS UST HIST UST SEMS Archive RCRA – LQG San Diego Co. SAM & HMMD UST NY Manifest EMI Hist Cortese	The facility is listed associated with 10 closed unauthorized release cases (H02377-001 through -010). Most of the cases appear to be associated with the releases of fuels and/or oils to soil. However, the case closure summary for H02377-009 indicates that they reviewed Phase I and Phase II ESA reports that identified 30 areas of concern (AOCs) where contaminants had been detected or where there was the potential for contamination from past or current site usage. The DEH also identified chlorinated solves as a potential issue. The AOCs identified the following contaminants of concern: petroleum hydrocarbons (diesel and oil), PAHs, PCBs, VOCs, calcium chloride, formaldehyde, hydrochloric acid, ammonia, sulfuric acid, sodium hypochlorite, N,N-Dimnethyl-formamide, methanol, and chlorinated solvents. The closure summary indicates that the DEH concurred with no further action at 26 of the AOCs and deferred investigation at the four AOCs that were not accessible due to current operations/ infrastructure. The summary noted that chlorinated solvents were detected in groundwater in several areas of the site; however, they highest detected concentrations were on the north side (upgradient side) of the property and the facility does not have a history of significant use of chlorinated solvents. Therefore, the DEH concluded that the solvents were likely a release from an upgradient property. The groundwater flow direction was reported to be to the south (i.e., toward the site) Based on this information, the location of the facility upgradient from the site, and the continued operation for industrial uses, there is the potential that this facility has impacted soil, groundwater, or soil vapor on the site.

Table 4 – Off-Site Facilities of Potential Concern			
Facility Name / Address	**Distance/ Direction from Site**	**Database**	**Summary**
Silver Gate Power Plant 1348 Sampson Street	Adjacent N	HIST UST CIWQS FINDS RCRA-LQG LUST SWEEPS UST HIST CORTESE CPS-SLIC San Diego Co. HMMD,SAM & LOP	The facility is associated with one closed (H13942-001) and one open (H13942-002) unauthorized release case. The closed case was associated with the release of diesel to soil in 1986. Documents reviewed on the DEH's website indicate that a release of fuel oil occurred due a pipeline leak. Approximately 220 cy of impacted soil was removed from the site and approximately 0.5 cy of soil with TPH in excess of 2,500 mg/kg remains in place. The case was issued closure in 1988. The open case is listed with a status of "assessment and interim remedial action" for releases of gasoline and solvents to soil and surface water. The site history portion on the GeoTracker database states that three, 220,000-gallon concrete USTs were closed in place in 2006 and that additional assessment is needed before case closure can be considered. The UST Closure Report, prepared by TN&A, dated November 13, 2006, states that 20 soil borings were advanced adjacent to and through the USTs. The report states that surface soil impacted with metals, PCBs, and petroleum hydrocarbons remains in areas surrounding the USTs and would be remediated during future redevelopment activities, which were performed in 2007 when the power plant was dismantled. It was estimated that approximately 250 cy of petroleum impacted soil remains on site at depths of 20-25 feet bgs, which corresponds to the water table depth. Petroleum hydrocarbons and VOCs, including trichloroethene (TCE), were detected in groundwater at low concentrations and a petroleum sheen was observed in one location. However, it was concluded that the TCE plume originated from an off-site upgradient source. Based on this information, and the distance of the USTs from the site, there is a low likelihood that this facility has impacted the environmental integrity of the site at this time. However, cooling tunnels previously utilized by this facility are located beneath the norther portion of the site and are discussed further in Section 6.2.1.

Table 4 – Off-Site Facilities of Potential Concern			
Facility Name / Address	**Distance/ Direction from Site**	**Database**	**Summary**
ARCO Terminal/ Tesoro Logistics San Diego Terminal 2295 Harbor Drive	580 feet ENE	LUST AST UST TRIS RCRA-LQG FINDS ECHO HIST AUTO FUELS Program SWEEPS UST ICIS US AIRS FINDS San Diego Co. SAM, HMMD, & LOP CPS-SLIC HIST UST EMI HAZNET HIST CORTESE NPDES CIWQS	The site is associated with five unauthorized release cases (H02375-001 through -005) that have been administratively consolidated to be addressed under one open case (H02375-003). A letter from the RWQCB on the Geotracker database indicates that the RWQCB intends to close the open case with a status of no further action. The most recent report available with groundwater plume maps is dated 2016 and indicates that flow direction is generally to the south and that the monitoring well installed in Belt Street adjacent to the site indicates that low concentrations of benzene (0.59 µg/l) and MTBE (39 µg/l) were present. Based on the low concentrations in groundwater near the site, the location of the site cross-gradient from the facility, and the intent of the RWQCB to close the case, there is a low likelihood that the facility has impacted the environmental integrity of the site at this time.
Notes: A complete description of each database is provided in the EDR Report (Appendix B).			

Based on the information summarized in the above table, the property adjacent to the NNW at 2145 East Belt Street, currently occupied by R.E. Staite, may have resulted in impacts to soil, groundwater, and/or soil vapor at the site. In addition, it appears that there is a chlorinated solvent plume in the general area of the site that has not been specifically attributed to source, but has been detected at facilities upgradient of the site; therefore, there is the potential that the solvent plume may also be present on the site.

5.1.2 Non-Geocoded (Unmapped) Listings

This portion of the regulatory database report includes properties for which regulatory agencies did not report sufficient address information to be plotted by EDR. The two listings were reviewed to evaluate their potential impact to the site, based on their interpreted distance/direction from the site, and/or the nature of the database in which they were listed. One listing was associated with the site, but was a duplicate of listing already evaluated in Table 3. It is our opinion that there is a low likelihood that the other non-geocoded listing represents an environmental concern to the site at the current time.

5.1.3 Online Regulatory Databases

Online regulatory databases were reviewed by Ninyo & Moore for the site to supplement the environmental database search conducted by EDR. The following is a summary of pertinent information.

Table 5 – Online Regulatory Databases

Online Database/Website	Findings
DTSC EnviroStor	The site was not listed. However, two adjacent properties were listed. The R.E. Staite facility located adjacent to the north-northwest at 2145 Belt Street was listed as Kelco and Nutrasweet Kelco Co. The listings state that the case was referred to the local agency as an inactive tiered permit. No additional information was provided; however, environmental records associated with this property were reviewed and discussed in Table 4. The Chevron Harbor Terminal – Lower Tank Farm located adjacent to the southeast at 2295 Belt Street was listed as referred to the local agency. Additional information was not provided.
SWRCB GeoTracker	The site and several adjacent properties were listed and are summarized in Tables 3 and 4.
CalRecycle	The site and adjacent properties are not listed.
United States Pipeline and Hazardous Materials Safety Administration, National Pipeline Mapping System (NPMS) Map Viewer	The database was unavailable due to a shutdown of the Federal Government in January 2019.
USACOE FUDS, Geographic Information System	FUDS listings are not depicted on or adjacent to the site.

6 HISTORICAL USE INFORMATION

Ninyo & Moore conducted a historical record search for the site. This included a review of historical fire insurance maps, historical aerial photographs, topographic maps, and previous environmental reports. The following sections summarize information obtained from the historical sources utilized for this assessment.

6.1 Sanborn® Fire Insurance Maps, Historical Aerial Photographs, Topographic Maps, and Previous Historical Review

Sanborn® Fire Insurance Rate Maps were obtained from EDR for select years from 1921 to 1971. Aerial photographs of the site and surrounding areas from selected years from 1928 to 2016 were provided by EDR. Historical topographic maps were obtained from EDR for select years from 1904 to 2012. Copies of available and pertinent aerial photographs and Sanborn® maps are provided in Appendix C.

The earliest historical information available was a topographic map from 1904. The site was depicted as part of the Bay and the associated tidelands with a few piers that extend into the Bay. According to the Sanborn® map dated 1921, a large pier and wharf on site was occupied by the "San Diego Marine Construction Co.," that consisted of a boat building, office, dwellings, and a paint and storage building. A few other small piers extended into the Bay that were labelled as dwellings. Adjacent to the east of the site are Atchison Topeka & Santa Fe (AT&SF) Railroad tracks. The 1942/1944 topographic map depicts a portion of the site that was formerly part of the Bay as filled land and the 1949 aerial photograph indicates that the landside portions of the site were generally filled as at present with multiple buildings and piers/wharfs present on the site and a large warehouse-type building on the south end of the site.

The 1950 Sanborn® map depicts the site buildings as occupied by the "San Diego Marine Construction Co." and labelled as wood working, machine shop, storage & paint, warehouse, offices, and welding. On the south end of the southern warehouse building is depicted an in-ground 6,000-gallon fuel oil storage tank. In addition, a pier on the south end of the site is labelled as the "Richfield Oil Co. wharf" with oil storage on the wharf. Adjacent to the south of the site the property is occupied by the "Standard Oil Co. of Calif." warehouse. East of the site, Belt Street is depicted followed by the AT&SF Railroad and several ASTs labelled as "Ritchfield Oil Corp." An oil & grease warehouse is also depicted on the southeast corner of the Sampson Street and Belt Street with six ASTs pictured.

The 1956 Sanborn® map depicts two "steel oil tanks in concrete" with a concrete wall along the southern bulkhead at Sicard Street. By 1962, the Sanborn® map indicates that the warehouse on the southern end of the site is occupied by "Southern Calif. Freight Lines." On the 1975 photograph, the site adjacent to the southeast at the corner of Sicard Street and Belt Street depicts seven ASTs and the 1979 photograph shows eight ASTs in the area; however, by 2005 the ASTs are no longer present. The site was generally developed as at present from the late-1980s to the early 1990s.

6.2 Previous Reports and Environmental Background

Previous reports for the site prepared by Ninyo & Moore and reports available online were reviewed for both the landside and waterside portions of the site.

6.2.1 Landside

An “Additional Soil and Groundwater Investigation Southwest Marine,” prepared by EnecoTech Southwest, Inc., dated November 15, 2002 was available on the DEH’s online records database. The report summarizes site assessment activities performed in 2002 in the southern portion of the site between Buildings 10 and 40, which was noted in the report to be in the vicinity of the hazardous materials storage area at that time. In addition, the location appears to correspond to the location of steel oil ASTs noted on the Sanborn® maps from 1956 through 1971 (the last available map) near the bulkhead between Piers 3 and 4. Petroleum hydrocarbons in the diesel range were detected at concentrations of up to 15,000 mg/kg in soil and 6,000 µg/l in groundwater. Petroleum hydrocarbons in the gasoline range were detected at a maximum concentration of 2,200 mg/kg in soil and 270 µg/l in groundwater. BTEX and MTBE were also detected in soil at maximum concentration 3.9, 4.4, 18, 19, and 6 mg/kg in soil and 36, 19, 38, 39, and 450 µg/l in groundwater. The soil impacts generally corresponded to the depth to groundwater/capillary fringe zone of 5 to 10 feet bgs. The DEH opened an unauthorized release case associated with the findings (H09689-003), but the case was referred to RWQCB. A search was made of the RWQCB’s online records; however, there were no records on file associated with that case number and no additional records were on file in the County of San Diego’s online records. Based on this information, subsurface activities in the area will likely encountered soil and groundwater impacted with petroleum hydrocarbons that may require special handling and/or disposal.

ENV prepared a site assessment report associated with former waste water ponds from the Silver Gate Power Plant that were historically located on the northern portion of the site. The portion of the site was formerly leased by San Diego Gas & Electric (SDG&E) and utilized for operations associated with the power plant located east of the site. Two of the ponds were used as settling/evaporation ponds for wastewater (Ponds A and B) and two ponds were used as oil/water separation ponds (Ponds C and D). Soil and groundwater samples were collected from Ponds A and B only because the discovery of Ponds C and D was not made until after the field work had been completed for Ponds A and B. Petroleum hydrocarbons in the gasoline, diesel, and heavy ranges were detected at concentrations up to 5,360 mg/kg at depths ranging from 2 to 9 feet bgs. VOCs, semi-volatile organic compounds (SVOCs), PCBs, and elevated concentrations of chromium and lead were also detected in soil. Petroleum hydrocarbons in the gasoline range and chlorinated hydrocarbons were detected in groundwater samples.

Ninyo & Moore performed additional site assessment activities in the former SDG&E leasehold portion of the site to evaluate potential soil and groundwater impacts from historical wastewater ponds on the site as well as sediments from within cooling water tunnels located beneath the site that were utilized by the former Silver Gate Power plant. Petroleum hydrocarbons, VOCs, PAHs, PCBs, and metals were detected in soil samples. Petroleum hydrocarbon, VOCs, fluoranthene, and metals were detected in groundwater samples. Sediment samples contained petroleum hydrocarbons, benzene, PAHs, PCBs, and metals. Based on this information, subsurface excavation activities in the former SDG&E leasehold area could encounter the buried cooling water tunnels and associated impacted sediments and well as impacted soil and groundwater that may require special handling and/or disposal.

6.2.2 Waterside

The SWRCB's GeoTracker database includes numerous documents associated with CAO R9-2012-0024 that was issued for the waterside portions of the site. The CAO was issued to order the cleanup of impacted sediments within the NASSCO and BAE Leaseholds that extend from the eastern shore of San Diego Bay from the foot of the Sampson Street Extension to the northwest to Chollas Creek, and to the southeast out to the main shipping channel to the west, which was collectively referred to as the Shipyard Sediment Site. The portion of the Shipyard Sediment Site that is within the project area is referred to as the North Shipyard Cleanup. The Southern Shipyard Cleanup is located off site adjacent to the south. The CAO required cleanup of impacted sediments that contained contaminants of concern above Bay background sediment levels. Cleanup levels were established for primary COCs of copper (121 mg/kg); mercury (0.57 mg/kg); HPAH, which was defined as the sum of fluoranthene, perylene, benzo(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo(a,h)anthracene, (663 micrograms per kilogram [µg/kg]); PCBs (defined as 41 select congeners; 84 µg/kg), and tributyltin (22 µg/kg). Cleanup levels for secondary COCs were established for arsenic (7.5 mg/kg); cadmium (0.33 mg/kg), lead (53 mg/kg), and zinc (192 mg/kg).

According to the "North Shipyard Remedial Action Plan Implementation Report," prepared by Anchor QEA, Inc., dated July 2016, sediments exceeding the established cleanup levels were removed except when it was not feasible (i.e., due to risk of undermining slopes or existing structures). Approximately 114,085 cy of impacted sediments were removed and disposed offsite and areas where impacted sediments could not be removed were covered with a sand/gravel cap. Remedial activities were completed on April 15, 2016 and the site

was moved into post-remedial monitoring to evaluate the effectiveness of the remedial action. Although, the RWQCB concurred that the cleanup was performed to their satisfaction, it allowed for sediments with concentrations in excess of the cleanup levels to be left in-place and the established cleanup levels in the CAOs were at a level that may classify the sediments as a regulated waste and/or require special handling and/or disposal if dredged.

7 FINDINGS AND OPINIONS

Based on the results of this HMTS, the following findings and opinions are provided:

- The site is 2205 East Belt Street in San Diego, California. The site includes 11.7 acres on the landside and 24.1 acres on the waterside in the Bay. The site is bounded to the northeast by East Belt Street followed by railroad tracks and off-site BAE operations, to the southeast by NASSCO Shipyard, on the west by the Bay, and on the northwest by R.E. Staite.

- Historical records indicate that the site was part of the Bay with piers and wharfs extending into the Bay until the landside portions of the site were filled in the 1930s/1940s. The site was occupied by several industrial operations, including the “San Diego Marine Construction Co.,” “Ritchfield Oil Corp.” and “Standard Oil Co. of Calif.” Historical items of concern on the site noted on the historical records include a 6,000-gallon fuel oil storage tank on the southern end of the site, an oil storage wharf on the southern end of the bulkhead, and two steel oil tanks along the southern bulkhead at the Sicard Street extension. Surrounding properties were generally developed with various industrial uses, including bulk fuel storage.

- The site was listed 150 times on numerous environmental databases under a variety of names California Marine Cleaning, Southwest Marine, Chevron USA Inc, Bumble Bee Seafoods, Austal USA, Shipyard Sediment Site – North Shipyard, Corrpro Companies Inc., and AMSEC LLC. The listings that were interpreted to be a concern to the site included:

  - Numerous listings that referenced spills to the Bay of oils, paints, fuels, bleach, etc., oily sheens on the Bay surface associated with contaminated soil from the landside and from creosote piles that may have resulted in impacts to the Bay sediments and at Bay shoreline/bulkhead.

  - An unauthorized release at the southern bulkhead area between Piers 3 and 4 that documented soil and groundwater impacted by petroleum hydrocarbons as gasoline and diesel, and volatile organics. Documentation that the release was adequately assessed and or remediated was not found in the records searched.

  - A 10,000-gallon UST and associated piping were filled with slurry and closed in place. The UST is located on the southern border of the site with NASSCO at the Sicard Street extension and connected via piping to the dispenser located at the bulkhead between Piers 3 and 4. Approximately 10 cy of soil impacted with petroleum hydrocarbons in the diesel and oil ranges was left in place in the vicinity of the dispenser. Subsurface excavation work in the areas may encounter the slurry-filled UST/piping and/or fuel-impacted soil that may require special handling and/or disposal.

- The site is part of a CAO associated with impacted sediments from former industrial operations on the landside that resulted in sediments with elevated levels of metals, HPAHS, and PCBs. Impacted sediments were removed when feasible and covered with a sand/gravel cap when not feasible. The cleanup was completed in April 2016; however, cleanup levels exceed concentrations that may classify sediments as a regulated waste and sediments in excess of cleanup levels were allowed to remain in place. Therefore, sediments impacted with metals, HPAHs, and PCBs remain on site and may require special handling and/or disposal if dredged.

- Several listings indicated violations of the site's storm water permit for the discharge of storm water to the Bay in excess of allowable limits, which may have resulted in impacts to the Bay sediments at the site for discharges that occurred after the completion of the sediment cleanup.

- Based on the long history of industrial uses at the site, there is a high likelihood that contaminated soil and/or groundwater may be present throughout the site.

- Based on the age of the buildings and other structures at the site, there is a high likelihood that lead-based paint (LBP) and/or asbestos-containing materials (ACM) are present on site. In addition, wooden components in piers, wharfs, or bulkheads may have been treated with creosote. Special handling and/or disposal may be required for LBP, ACM, or creosote-treated wood.

- Several off-site properties were listed on the environmental database report and the following listings were noted to be of potential concern:

  - The property adjacent to the northwest of the site, currently occupied by R.E. Staite, is associated with multiple unauthorized release cases that have resulted in impacts to soil, soil vapor, and/or groundwater from petroleum hydrocarbons (diesel and oil), polynuclear aromatic hydrocarbons, PCBs, VOCs, calcium chloride, formaldehyde, hydrochloric acid, ammonia, sulfuric acid, sodium hypochlorite, N,N-Dimnethylformamide, methanol, and chlorinated solvents. Groundwater impacts from chlorinated solvents were documented at the facility. The regulatory agency closed the cases either because the AOCs were not accessible for assessment due to current site operations or because the impacts were compatible with current use of the site for industrial uses. Based upon this information, the operations at this facility may have impacted soil, groundwater and/or vapor on the portions of the site adjacent to the facility.

  - Based on a review of documents associated with several properties in the site vicinity, there appears to be a chlorinated solvent plume in the general site vicinity that has not been specifically attributed to a particular source, but has been detected upgradient of the site. Therefore, there is a high likelihood that groundwater beneath the site has been impacted by chlorinated solvents.

- Historical reports reviewed for the site indicated that soil and groundwater in the northern portions of the landside within the former SDG&E leasehold have been impacted by petroleum hydrocarbons, PCBs, VOCs, and metals from former usage of the area for wastewater storage ponds associated with the former Silver Gate Power Plant. In addition, cooling tunnels formerly used by the power plant are located below ground in the area, which contain sediments impacted with petroleum hydrocarbons, benzene, PAHs, PCBs, and metals. Subsurface construction activities in the area may encounter the buried cooling tunnels/impacted sediments and/or impacted soil/groundwater that would require special handling/disposal.

8 PROJECT IMPACT ANALYSIS – HAZARDS AND HAZARDOUS MATERIALS

The following impact analysis evaluates the effects from hazards and hazardous materials that may result with the implementation of the Proposed Project. The findings of this HMTS were used to evaluate potential impacts relative to hazards and hazardous materials.

8.1 CEQA Significance of Impacts

The findings of this study were evaluated with respect to the following questions from Section 8, "Hazards and Hazardous Materials" within Appendix G of the CEQA Guidelines.

Table 6 – CEQA Tresholds of Significance

Threshold	Criteria
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 release of hazardous materials into the environment?
D	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, would it create a significant hazard to the public or the environment?

8.2 Evaluation of Project Impacts

The following questions were evaluated based on our findings from the HMTS and our understanding of the Proposed Project.

A. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Hazardous materials are currently used/stored and hazardous wastes are generated in association with the site activities. Hazardous materials that are transported, used, and or disposed of are under regulatory oversight and the quantities are not expected to increase significantly. The site has documented impacts to soil, groundwater, and sediments. If contaminated soil, groundwater, and/or sediments are disturbed during project activities, a significant hazard could be created; however, implementation of mitigation measures (Section 8.3) would reduce the hazard to less than significant.

B. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Since hazardous materials and wastes are located at the site, there is a potential that upset and accident conditions related to hazardous materials or wastes would be associated with future project activities. However, implementation of mitigation measures (Section 8.3) would reduce the hazard to less than significant.

D. Would the 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, would create a significant hazard to the public or the environment?

Hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code - The DTSC has designated two facilities in the state of California that fall under this category. These two facilities are located outside of San Diego County.

Land designated as "hazardous waste property" or "border zone property" - The DTSC has not designated any hazardous waste or border zone properties pursuant to the provisions cited in the Health and Safety Code.

Properties with hazardous waste disposals on public land - The DTSC does not maintain separate records of reports that relate to public lands/properties.

Hazardous substance release sites selected for (and subject to) a response action – The site is associated with one unauthorized release case on the landside that is listed in one database as under remedial investigation; however, additional documentation regarding the remedial investigation or if a cleanup was required by the regulatory agency was not found in the records searched. In addition, the site is subject to a CAO issued by the RWQCB for sediments on the waterside. The cleanup was reported completed as of April 2016 and the site is currently under post-remediation monitoring to evaluate the effectiveness of the cleanup. Since impacted soils, groundwater, and/or sediments remain on site, there is the potential that they may be disturbed during project activities. However, implementation of mitigation measures (Section 9.3) would reduce these hazards to less than significant.

Sites included in the Abandoned Site Assessment Program - The Abandoned Site Assessment Program was intended to include properties in "rural unsurveyed counties." The program concluded in the early 1990s, and properties in the program were transferred to the Cal-Sites database, which has been incorporated into the DTSC's current EnviroStor database. However, the EnviroStor database does not indicate whether a specific site was at one time included in the Abandoned Site Assessment Program and does not have a separate category for abandoned sites. The site was not listed on the EnviroStor database.

Sites with public drinking water wells that contain detectable levels of organic contaminants and that are subject to water analysis pursuant to Section 116395 of the Health and Safety Code - Based on laws, regulations, and security policies adopted after September 11, 2001, the Department of Health Services no longer makes publicly available the locations of public drinking water wells due to concerns about illegal actions that could endanger public health and safety.

Sites with USTs for which an unauthorized release report is filed - The SWRCB provides this information in its GeoTracker online database. The site is associated with one LUST listing associated with a release of fuel from a dispenser that was connected to a 10,000-gallon UST that was closed in place. Impacted soil was documented to have been left in place; therefore, there is the potential that the impacted soil may be disturbed during project activities. However, implementation of mitigation measures (Section 8.3) would reduce the hazard to less than significant.

Solid waste disposal facilities from which there is a migration of hazardous waste - The SWRCB maintains a list of facilities with waste constituents above hazardous levels outside the waste management unit. No such facilities were identified within San Diego County.

Sites with cease and desist orders and/or cleanup and abatement orders that concern the discharge of wastes that are hazardous materials - The SWRCB list of properties with active cease and desist orders or cleanup and abatement orders did not list the site.

Based on the information provided above, the project is located on a site, which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5**.** Implementation of mitigation measures (Section 8.3) would reduce the hazard to less than significant.

8.3 Mitigation Measures

The following mitigation framework measures relating to hazardous materials/wastes are provided.

- Subsurface disturbance activities should include implementation of a soil, groundwater, and/or sediment management plan to address the possibility of encountering areas of potential environmental concern. The plan should be prepared by a qualified environmental consultant and should be implemented during subsurface disturbance activities by the contractor under the oversight of an environmental professional on behalf of the project proponent. The plan should address notifications, monitoring, handling, stockpiling, characterization, reuse, export, and disposal protocols.

- For areas with documented or suspected impacts to soil, groundwater, and/or sediments, appropriate worker and community health and safety measures (e.g., dust control, air monitoring, stockpile management) should be implemented during soil disturbance activities.

- In areas with documented releases, soil, groundwater, and/or sediment generated during construction activities may be considered a waste, and may require characterization (e.g., analytical testing) prior to reuse, export, or disposal.

- If previously undocumented contamination is discovered, notification to regulatory agencies and proper soil/groundwater management may be required, particularly if there is the potential to affect public health, safety, and/or the environment.

- Prior to demolition or renovation activities, a hazardous building materials survey should be performed on structures within the boundaries of the project areas under the direct supervision of a State of California certified asbestos consultant and certified lead inspector/assessor. Prior to demolition or renovation work, which would disturb identified ACMs, LBP, creosote-treated wood, or other hazardous materials, a licensed abatement removal contractor should remove and properly dispose of the hazardous material(s) in accordance with applicable local, state and federal regulations.

9 REFERENCES

Anchor QEA, LLC, 2016, North Shipyard Remedial Action Plan Implementation Report, San Diego Shipyard Sediment Site – North Shipyard: dated July.

Army Corps of Engineers, 2019, Formerly Used Defense Sites Geographic Information System website, https://rsgis.crrel.usace.army.mil/publicfuds: accessed in January.

California Department of Toxic Substances Control, 2019, EnviroStor Website: http://www.envirostor.dtsc.ca.gov/public/: accessed in January.

California Integrated Waste Management Board, 2019, Solid Waste Information System database, http://www.ciwmb.ca.gov/SWIS: accessed in January.

EnecoTech Southwest, Inc., 2002, Additional Soil and Groundwater Investigations Southwest Marine, 22015 East Belt, Foot of Sampson, San Diego, California, Permit #W100736; A.P.N. #760-022-06; EST #H09689: dated November 15.

ENV America, 2004, Site Assessment Report, Landside Tidelands Lease Area, Silver Gate Power Plant, San Diego, California: dated July 14.

Environmental Data Resources Inc., 2018, Certified Sanborn Map Report, BAE Systems Waterfront Improvement Project, 2205 East Belt Street, San Diego, California: dated December 14.

Environmental Data Resources Inc., 2018, The EDR Aerial Photograph Decade Package, BAE Systems Waterfront Improvement Project, 2205 East Belt Street, San Diego, California: dated December 17.

Environmental Data Resources Inc., 2018, EDR Historical Topo Map Report, BAE Systems Waterfront Improvement Project, 2205 East Belt Street, San Diego, California: dated December 14.

Environmental Data Resources Inc., 2018, The EDR Radius Map Report with GeoCheck, BAE Systems Waterfront Improvement Project, 2205 East Belt Street, San Diego, California: dated December 14.

Kennedy, Michael P. and Tan, Siang S., 2008, Geologic Map of the San Diego 30' x 60' Quadrangle, San Diego County, California, Scale 1:100,000.

Ninyo & Moore, 2011, Subsurface Investigation, San Diego Gas & Electric Tidelands Area, Belt Street and San Diego Bay, San Diego, California: dated May 24.

Regional Water Quality Control Board, 2012, Cleanup and Abatement Order No. R9-2012-0024, National Steel and Shipbuilding Company, BAE Systems San Diego Ship Repair, Inc., City of San Diego, Campbell Industries, San Diego Gas and Electric, United States Navy, San Diego Unified Port District, Shipyard Sediment Site, San Diego Bay, San Diego, California: dated March 14.

Regional Water Quality Control Board, 2016, Water Quality Control Plan for the San Diego Basin (9): dated September 8, 1994 with updated through May 17.

State Water Resources Control Board, 2019, Geotracker Online Database: http://geotracker.swrcb.ca.gov: accessed in January.

United States Geological Survey, 2012, Point Loma, California: 7.5-minute series (topographic), Scale 1:24,000.

FIGURES



1_108665001_SL.mxd 1/23/2019 AOB

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE. | SOURCE: ESRI WORLD TOPO, 2017

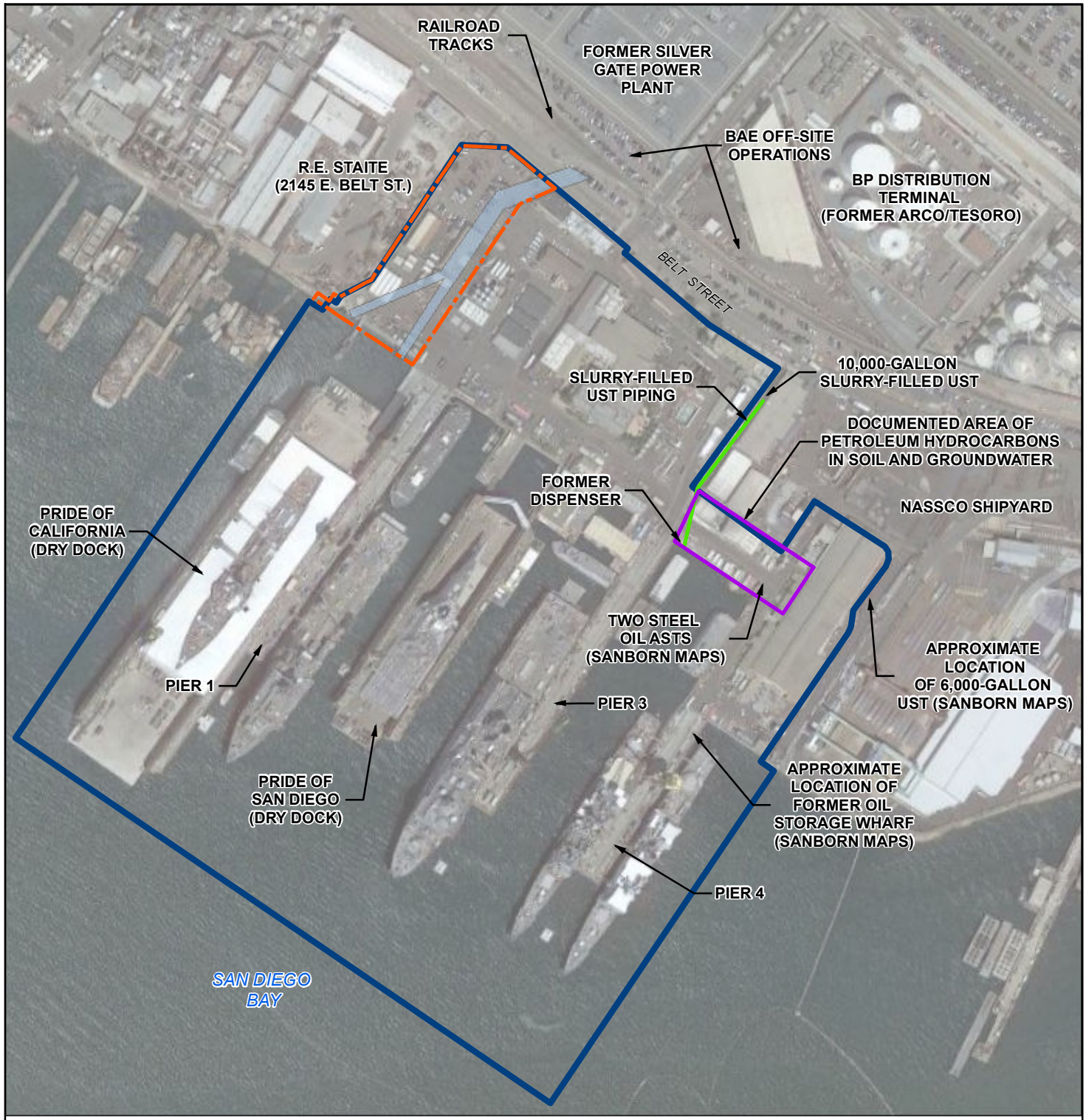
FIGURE 1

SITE LOCATION

BAE SYSTEMS WATERFRONT IMPROVEMENT PROJECT
2205 EAST BELT STREET, SAN DIEGO, CALIFORNIA

108665001 | 1/19

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants



2_108665001_SV.mxd 1/24/2019 AOB

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE. | SOURCE: GOOGLE EARTH, 2017

FIGURE 2

SITE AND VICINITY

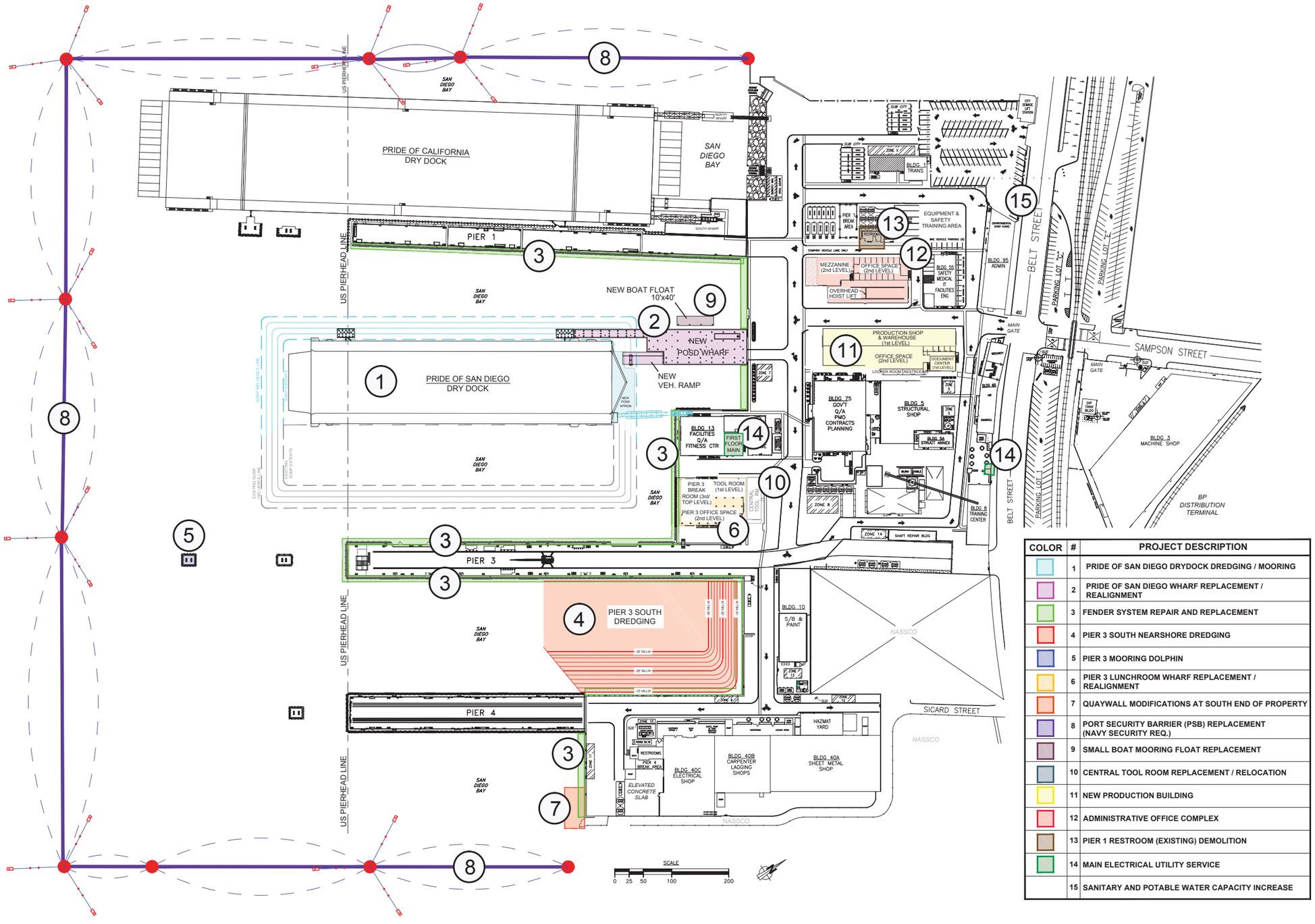
BAE SYSTEMS WATERFRONT IMPROVEMENT PROJECT
2205 EAST BELT STREET, SAN DIEGO, CALIFORNIA

108665001 | 1/19

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

APPENDIX A

Project Elements Figure (ICF)



COLOR	#	PROJECT DESCRIPTION
	1	PRIDE OF SAN DIEGO DRYDOCK DREDGING / MOORING
	2	PRIDE OF SAN DIEGO WHARF REPLACEMENT / REALIGNMENT
	3	FENDER SYSTEM REPAIR AND REPLACEMENT
	4	PIER 3 SOUTH NEARSHORE DREDGING
	5	PIER 3 MOORING DOLPHIN
	6	PIER 3 LUNCHROOM WHARF REPLACEMENT / REALIGNMENT
	7	QUAYWALL MODIFICATIONS AT SOUTH END OF PROPERTY
	8	PORT SECURITY BARRIER (PSB) REPLACEMENT (NAVY SECURITY REQ.)
	9	SMALL BOAT MOORING FLOAT REPLACEMENT
	10	CENTRAL TOOL ROOM REPLACEMENT / RELOCATION
	11	NEW PRODUCTION BUILDING
	12	ADMINISTRATIVE OFFICE COMPLEX
	13	PIER 1 RESTROOM (EXISTING) DEMOLITION
	14	MAIN ELECTRICAL UTILITY SERVICE
	15	SANITARY AND POTABLE WATER CAPACITY INCREASE

\\PDCCITRDSGIS1\San Diego\projects\Port_of_San_Diego\00216_18_BAE_Systems\Figures\Doc\

ICF

Figure 3-1
Project Elements
BAE Systems Waterfront Improvement Project

APPENDIX B

Environmental Database Report

BAE Waterfront Improvement Project
2205 East Belt Street
San Diego, CA 92113

Inquiry Number: 5512078.2s
December 14, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	1026
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-6
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-10
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2205 EAST BELT STREET
SAN DIEGO, CA 92113

COORDINATES

Latitude (North):	32.6931200 - 32° 41' 35.23''
Longitude (West):	117.1440300 - 117° 8' 38.50''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	486498.6
UTM Y (Meters):	3617086.0
Elevation:	18 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5622832 POINT LOMA, CA
Version Date:	2012
East Map:	5629176 NATIONAL CITY, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2205 EAST BELT STREET
SAN DIEGO, CA 92113

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1		2205 EAST BELT STREE	ERNS		TP
A2		2205 E. BELT ST.	ERNS		TP
A3		2205 EAST BELT STREE	ERNS		TP
A4		2205 E. BELT ST.	ERNS		TP
A5		2205 EAST BELT ST	ERNS		TP
A6		2205 E BELT ST (BAE	CA CHMIRS		TP
A7		2205 EAST BELT ST	ERNS		TP
A8		2205 EAST BELT STREE	ERNS		TP
A9	BAE SYSTEMS SHIPYARD	2205 E BELT ST	RCRA-LQG		TP
A10	FRAZIER BOILER SERVI	2205 E BELT	CA HAZNET		TP
A11	BAE SYSTEMS (NASSCO)	2205 E BELT STREET	RCRA-LQG		TP
A12	BAE SYSTEMS SAN DIEG	2205 E BELT ST/FOOT	CA UST		TP
A13	SWRMC @ BAE SYSTEMS	2205 BELT ST	CA San Diego Co. HMMD, CA CHMIRS, CA HAZNET, CA...		TP
A14		FOOT OF SAMSON STREE	CA CHMIRS		TP
A15		2205 EAST BELT ST, P	CA CHMIRS		TP
A16		2205 EAST BELT ST PI	CA CHMIRS		TP
A17		2205 EAST BELT STREE	CA CHMIRS		TP
A18	LOCKHEED MARTIN GLOB	2205 BELT ST	FINDS		TP
A19		2205 EAST BELT ST AT	CA CHMIRS		TP
A20	CALIFORNIA MARINE CL	2205 BELT ST	CA HAZNET		TP
A21		2205 E. BELT ST.	CA CHMIRS		TP
A22		2205 EAST BELT DRIVE	CA CHMIRS		TP
A23		2205 E. BELT ST. (S	CA CHMIRS		TP
A24		2205 EAST BELT STREE	ERNS		TP
A25		2205 E BELT ST.	ERNS		TP
A26		2205 EAST BELT STREE	ERNS		TP
A27		2205 E. BELT ST.	ERNS		TP
A28	BAE SYSTEMS SAN DIEG	2205 E BELT ST/FOOT	CA AST		TP
A29		2205 E. BELT ST.	ERNS		TP
A30	SOUTHWEST MARINE	2205 E BELT FOOT OF	CA HAZNET		TP
A31		2205 EAST BELT STREE	ERNS		TP
A32		2205 EAST BELT STREE	CA CHMIRS		TP
A33		BAE, 2205 EAST BELT	CA CHMIRS		TP
A34		2205 EAST BELT STREE	ERNS		TP
A35		BAE SYSTEMS SAN DIEG	CA CHMIRS		TP
A36	BAE SYSTEMS	2205 E BELT ST/FOOT	CA AST		TP
A37	CHEVRON USA INC BUMB	2205 EAST BELT	CA HAZNET		TP
A38		2205 E. BELT ST.	ERNS		TP
A39		2205 E. BELT ST.	ERNS		TP

MAPPED SITES SUMMARY

Target Property Address:
2205 EAST BELT STREET
SAN DIEGO, CA 92113

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A40		SOUTHWEST MARINE, 22	CA CHMIRS		TP
A41	CMH ENVIRONMENTAL GR	2205 E BELT	CA CHMIRS, CA HAZNET		TP
A42		2205 EAST BELT STREE	ERNS		TP
A43		2205 E. BELT ST.	ERNS		TP
A44		2205 BELT STREET, SA	CA CHMIRS		TP
A45		2205 EAST BELT STREE	CA CHMIRS		TP
A46		2205 EAST BELT STREE	ERNS		TP
A47		2205 EAST BELT STREE	CA CHMIRS		TP
A48		2205 EAST BELT	ERNS		TP
A49	LOCKHEED MARTIN MISS	2205 E BELT ST	RCRA-SQG		TP
A50		2205 E. BELT ST.	ERNS		TP
A51	NATIONAL STEEL AND S	2205 BELT ST BLDG 13	CA HAZNET		TP
A52		2205 EAST BELT STREE	CA CHMIRS		TP
A53	AUSTAL USA PSA	2205 E BELT ST- FOOT	ECHO		TP
A54	BAE SYSTEMS SAN DIEG	2205 E BELT ST/FOOT	FINDS		TP
A55		2205 E. BELT ST.	ERNS		TP
A56		2205 EAST BELT ST.,	CA CHMIRS		TP
A57		2205 EAST BELT STREE	CA CHMIRS		TP
A58		2205 EAST BELT STREE	ERNS		TP
A59		PIER 3, 2205 EAST BE	CA CHMIRS		TP
A60	USNS NAVAJO T-ATF169	2205 E BELT ST	CA HAZNET		TP
A61		2205 E. BELT ST.	ERNS		TP
A62		2205 E. BELT ST.	ERNS		TP
A63		2205 EAST BELT STREE	CA CHMIRS		TP
A64		2205 EAST BELT STREE	ERNS		TP
A65		2205 EAST BELT ST	ERNS		TP
A66		2205 E. BELT ST.	ERNS		TP
A67	BAE SYSTEMS SHIPYARD	2205 E BELT ST POSD	CA HAZNET		TP
A68	NATIONAL STEEL AND S	2205 E BELT STREET B	RCRA-LQG		TP
A69		2205 E. BELT STREET	ERNS		TP
A70		2205 EAST BELT STREE	ERNS		TP
A71	LOCKHEED MARTIN MISS	2205 E BELT ST	RCRA-SQG, ICIS, FINDS, ECHO		TP
A72	SWRMC @ BAE SYSTEMS	2205 BELT ST	FINDS		TP
A73		2205 EAST BELT STREE	CA CHMIRS		TP
A74	LOCKHEED MARTIN INFO	2205 BELT ST	CA San Diego Co. HMMD, CA HAZNET		TP
A75		2205 EAST BELT STREE	ERNS		TP
A76		2205 E. BELT STREET	ERNS		TP
A77		2205 E. BELT ST.	ERNS		TP
A78	NO0A KA'IMIMOANA #R-	2205 BELT ST	CA HAZNET		TP

MAPPED SITES SUMMARY

Target Property Address:
2205 EAST BELT STREET
SAN DIEGO, CA 92113

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A79		2205 EAST BELT ST	ERNS		TP
A80	SOUTHWEST MARINE	2205 EAST BELT (FOOT	SEMS-ARCHIVE		TP
A81		SAMSON STREET AT BEL	CA CHMIRS		TP
A82	PACIFIC SHIP (BAE SY	2205 EAST BELT	ICIS		TP
A83		2205 EAST BELT STREE	ERNS		TP
A84		2205 E. BELT ST.	ERNS		TP
A85		2205 E. BELT ST.	ERNS		TP
A86	BAE SYSTEMS SAN DIEG	2205 EAST BELT STREE	CA CPS-SLIC, CA CHMIRS, CA ENF, CA NPDES, CA CIWQS		TP
A87		2205 E. BELT ST.	ERNS		TP
A88		2205 EAST BELT STREE	ERNS		TP
A89	SOUTHWEST MARINE INC	2205 E BELT STREET	CA LUST, CA CPS-SLIC, CA San Diego Co. HMMD, CA...		TP
A90		2205 E BELT ST	ERNS		TP
A91		PIER 3 2205 EAST BEL	CA CHMIRS		TP
A92		BAE SYSTEMS 2205 BEL	CA CHMIRS		TP
A93	SOUTHWEST MARINE, IN	2205 E BELT ST	CA HIST UST		TP
A94		2205 E. BELT STREET	ERNS		TP
A95		2205 EAST BELT ST	CA CHMIRS		TP
A96		2205 E. BELT ST.	ERNS		TP
A97		2205 E. BELT ST.	ERNS		TP
A98	USS BRIDGE IMO# T-AO	2205 E BELT ST	CA HAZNET		TP
A99		2205 EAST BELT STREE	ERNS		TP
A100		2205 E. BELT ST.	ERNS		TP
A101	SHIPYARD SEDIMENT SI	2205 EAST BELT STREE	FINDS		TP
A102		2205 E BELT ST	ERNS		TP
A103		2205 BELT STREET	ERNS		TP
A104	BAE SYSTEMS SAN DIEG	2205 EAST BELT	FINDS		TP
A105		2205 EAST BELT STREE	CA CHMIRS		TP
A106		2205 EAST BELT STREE	ERNS		TP
A107		2205 E. BELT ST. PIE	CA CHMIRS		TP
A108	CORRPRO COMPANIES IN	2205 BELT ST	CA HIST UST, CA CHMIRS, CA HAZNET		TP
A109	AMSEC LLC (BAE SYSTE	2205 BELT ST	ECHO		TP
A110		2205 EAST BELT STREE	CA CHMIRS		TP
A111		2205 E BELT ST	CA CHMIRS		TP
A112		2205 E. BELT ST.	ERNS		TP
A113		2205 EAST BELT STREE	ERNS		TP
A114		2205 E. BELT ST., PI	CA CHMIRS		TP
A115		2205 E BELT ST	CA CHMIRS		TP
A116	NASSCO	2205 EAST BELT PIER	CA CHMIRS, CA HAZNET		TP
A117		2205 E. BELT ST.	ERNS		TP

MAPPED SITES SUMMARY

Target Property Address:
2205 EAST BELT STREET
SAN DIEGO, CA 92113

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A118		PIER 1 NORTH, 2205 E	CA CHMIRS		TP
A119		2205 EAST BELT ST.	ERNS		TP
A120		2205 EAST BELT STREE	ERNS		TP
A121		2205 E. BELT ST	CA CHMIRS		TP
A122		2205 EAST BELT ST, P	CA CHMIRS		TP
A123		2205 BELT ST AT PIER	CA CHMIRS		TP
A124		2205 E. BELT ST.	ERNS		TP
A125		2205 EAST BELT STREE	ERNS		TP
A126	HARBOR BOAT AND TUG	2145 BELT ST	CA ENVIROSTOR, CA LUST, CA CPS-SLIC, CA AST, CA...	Higher	1 ft.
A127	KELCO DIVISION OF ME	2145 EAST BELT	SEMS-ARCHIVE	Higher	1 ft.
A128	CNRSW PORT OPS BROW	2145 E BELT ST	RCRA-LQG, CA SAN DIEGO CO. SAM, CA UST, NY...	Higher	1 ft.
B129	SWRMC USN, AT BAE SY	FOOT OF SAMPSON STRE	RCRA-LQG	Higher	1 ft.
C130	SOUTHWEST MARINE INC	1427 W SAMPSON ST	CA SAN DIEGO CO. SAM	Lower	1 ft.
C131	FISHERMAN S DOCK ARC	1500 SICARD ST	EDR Hist Auto	Lower	1 ft.
A132	SDG&E AND BAE SYSTEM	2145 EAST BELT STREE	CA CPS-SLIC	Higher	1 ft.
A133	R E STAITE ENGINEERI	2145 E BELT ST	CA AST, CA San Diego Co. HMMD	Higher	1 ft.
B134	SOUTHWEST MARINE, IN	FOOT OF SAMPSON ST.	RCRA-LQG, PADS	Higher	1 ft.
A135	KELCO / NUTRASWEET K	2145 BELT ST E	CA LUST, CA EMI, CA HIST CORTESE	Higher	1 ft.
A136	S D UNIFIED PORT DIS	2025 BELT ST	CA San Diego Co. HMMD, CA SWEEPS UST	Higher	1 ft.
B137	CHEVRON HARBOR TERMI	2295 BELT STREET	CA ENVIROSTOR, CA CHMIRS	Higher	109, 0.021, ESE
B138	BETTENCOURT FRANK	1 2301 E BELT	EDR Hist Auto	Higher	142, 0.027, ESE
D139	BAY DECKING COMPANY	1995 BAY FRONT ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	173, 0.033, NNW
D140	CONTINENTAL MARITIME	1995 BAYFRONT STREET	SEMS-ARCHIVE, RCRA-LQG, CA LUST, CA SAN DIEGO CO...	Higher	173, 0.033, NNW
D141	CONTINENTAL MARITIME	1995 BAYFRONT ST	CA LUST, CA SAN DIEGO CO. SAM, CA San Diego Co....	Higher	173, 0.033, NNW
D142	PIER 6 MAINTENANCE D	1995 BAY FRONT STREE	CA ENF, CA HAZNET, CA HWT	Higher	173, 0.033, NNW
D143	CONTINENTAL MARITIME	1995 BAY FRONT ST	CA CPS-SLIC, CA EMI	Higher	173, 0.033, NNW
D144	CONTINENTAL MARITIME	1995 BAY FRONT STREE	RCRA-LQG, CA HAZNET	Higher	173, 0.033, NNW
D145	CONTINENTAL MARITIME	1995 BAY FRONT ST.	RCRA-LQG	Higher	173, 0.033, NNW
D146	CONTINENTAL MARITIME	1995 BAY FRONT ST	RCRA-LQG	Higher	173, 0.033, NNW
D147	BAE SYSTEMS CMSD	1995 BAY FRONT STREE	RCRA-LQG	Higher	173, 0.033, NNW
D148	CONTINENTAL MARITIME	1995 BAYFRONT ST	CA AST	Higher	173, 0.033, NNW
D149	SOUTHWEST MARINE	1995 BAYFRONT STREET	RCRA-LQG	Higher	173, 0.033, NNW
D150	SOUTHWEST MARINE, IN	1995 BAY FRONT STREE	RCRA-LQG	Higher	173, 0.033, NNW
D151	FORMER UNOCAL 351322	1995 BAY FRONT STREE	RCRA-SQG	Higher	173, 0.033, NNW
D152	SOUTHBAY SANDBLASTIN	1995 BAYFRONT ST PIE	RCRA-SQG, FINDS, ECHO	Higher	173, 0.033, NNW
D153	SWRMC USN, AT CMSD	1995 BAY FRONT STREE	RCRA-LQG	Higher	173, 0.033, NNW
D154	CONTINENTAL MARITIME	1995 BAY FRONT ST	CA ENVIROSTOR, CA CPS-SLIC, CA San Diego Co. HMMD,...	Higher	173, 0.033, NNW
D155	CONTINENTAL MARITIME	1995 BAYFRONT STREET	RCRA-SQG, CA HIST UST, FINDS, ECHO	Higher	173, 0.033, NNW
B156	CHEVRON PIPELINE RUP	BELT STREET	CA CPS-SLIC	Higher	235, 0.045, ESE

MAPPED SITES SUMMARY

Target Property Address:
2205 EAST BELT STREET
SAN DIEGO, CA 92113

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
E157	BAE SYSTEMS SAN DIEG	1401 SAMPSON ST	CA AST, CA HAZNET	Higher	258, 0.049, NE
E158	BAE SYSTEMS (MSD)	1401 SAMPSON ST	CA San Diego Co. HMMD, CA SWEEPS UST	Higher	258, 0.049, NE
E159	BAE SYSTEMS MSD	1401 SAMPSON ST	CA AST, FINDS, ECHO	Higher	258, 0.049, NE
E160	BAE SYSTEMS MSD	1401 SAMPSON ST.	RCRA-LQG, CA San Diego Co. HMMD, CA NPDES, CA...	Higher	258, 0.049, NE
F161	CALTRANS CORONADO BR	1120 DEWEY STREET	RCRA-SQG, FINDS, ECHO	Higher	394, 0.075, NW
F162	SOUTHWEST MARINE INC	FOOT OF SAMPSON ST	CA LUST, CA San Diego Co. HMMD, CA EMI, CA HIST...	Higher	427, 0.081, NW
E163	SILVER GATE POWER PL	1348 SAMPSON ST	CA HIST UST, CA CIWQS	Higher	508, 0.096, NE
E164	SAN DIEGO GAS AND EL	1348 SAMPSON STREET	RCRA-LQG, FINDS, ECHO	Higher	508, 0.096, NE
E165	SDG&E SILVERGATE SUB	1348 SAMPSON ST	CA LUST, CA SAN DIEGO CO. SAM, CA CPS-SLIC, CA San...	Higher	508, 0.096, NE
166	PROPULSION CONTROLS	1304 SAMPSON ST	RCRA NonGen / NLR	Higher	571, 0.108, NNE
G167	ARCO TERMINAL	2295 HARBOR DR E	CA LUST	Higher	580, 0.110, ENE
G168	TESORO SAN DIEGO TER	2295 E HARBOR DR	CA AST	Higher	580, 0.110, ENE
G169	TESORO SAN DIEGO TER	2295 HARBOR DR	CA UST, TRIS	Higher	580, 0.110, ENE
G170	SFPP LP HARBOR JUNCT	2295 E HARBOR DRIVE	RCRA-LQG, FINDS, ECHO	Higher	580, 0.110, ENE
G171	SCHROEDER TED R	2295 E HARBOR DR	EDR Hist Auto	Higher	580, 0.110, ENE
G172	TLO SAN DIEGO TERMIN	2295 HARBOR DR	FINDS, FUELS PROGRAM	Higher	580, 0.110, ENE
G173	ARCO GAS TERMINAL	2295 HARBOR DR E	CA LUST	Higher	580, 0.110, ENE
G174	SAN DIEGO PIPELINE C	2295 E HARBOR DR A	CA SWEEPS UST	Higher	580, 0.110, ENE
G175	TESORO LOGISTICS, AR	2295 E. HARBOR DRIVE	RCRA-LQG, ICIS, US AIRS, FINDS	Higher	580, 0.110, ENE
G176	ARCO	2295 HARBOR DR E	CA LUST, CA SAN DIEGO CO. SAM, CA CPS-SLIC, CA San...	Higher	580, 0.110, ENE
G177	ARCO SAN DIEGO TERMI	2295 HARBOR DR	CA HIST UST, CA EMI	Higher	580, 0.110, ENE
178	PACIFIC TREATMENT	2190 MAIN ST	TX Ind. Haz Waste	Higher	1110, 0.210, NNE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 965984	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1058083	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1184418	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1057997	N/A
2205 EAST BELT ST 2205 EAST BELT ST SAN DIEGO, CA	ERNS NRC Report #: 1150528	N/A
2205 E BELT ST (BAE 2205 E BELT ST (BAE SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 1-0901	N/A
2205 EAST BELT ST 2205 EAST BELT ST SAN DIEGO, CA	ERNS NRC Report #: 1042450	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1053328	N/A
BAE SYSTEMS SHIPYARD 2205 E BELT ST SAN DIEGO, CA 92113	RCRA-LQG EPA ID:: CAR000220400	CAR000220400
FRAZIER BOILER SERVI 2205 E BELT SAN DIEGO, CA 92113	CA HAZNET	N/A

EXECUTIVE SUMMARY

GEPAID: CAC002572941

BAE SYSTEMS (NASSCO) 2205 E BELT STREET SAN DIEGO, CA 92113	RCRA-LQG EPA ID:: CAT000614933	CAT000614933
BAE SYSTEMS SAN DIEG 2205 E BELT ST/FOOT SAN DIEGO, CA 92113	CA UST Database: UST, Date of Government Version: 09/10/2018 Facility Id: 37-000-109689	N/A
SWRMC @ BAE SYSTEMS 2205 BELT ST SAN DIEGO, CA 92113	CA San Diego Co. HMMD Record ID: DEH2007-HUPFP-208647 CA CHMIRS OES Incident Number: 15-0416 OES Incident Number: 15-2437 CA HAZNET GEPAID: CAL000335766 CA NPDES Facility Status: Terminated Facility Status: Active CA CIWQS	N/A
FOOT OF SAMSON STREE FOOT OF SAMSON STREE SAN DIEGO, CA	CA CHMIRS OES Incident Number: 6-0458	N/A
2205 EAST BELT ST, P 2205 EAST BELT ST, P SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 13-5234	N/A
2205 EAST BELT ST PI 2205 EAST BELT ST PI SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 1-6220	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 93113	CA CHMIRS OES Incident Number: 13-5264	N/A
LOCKHEED MARTIN GLOB 2205 BELT ST SAN DIEGO, CA 92113	FINDS Registry ID:: 110066006672	N/A

EXECUTIVE SUMMARY

2205 EAST BELT ST AT 2205 EAST BELT ST AT SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 12-7677	N/A
CALIFORNIA MARINE CL 2205 BELT ST SAN DIEGO, CA 92113	CA HAZNET GEPAID: CAC002624892	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 4-2110	N/A
2205 EAST BELT DRIVE 2205 EAST BELT DRIVE SAN DIEGO, CA	CA CHMIRS OES Incident Number: 15-6496	N/A
2205 E. BELT ST. (S 2205 E. BELT ST. (S SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 0-4305	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 992918	N/A
2205 E BELT ST. 2205 E BELT ST. SAN DIEGO, CA	ERNS NRC Report #: 981159	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 966904	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1072037	N/A
BAE SYSTEMS SAN DIEG 2205 E BELT ST/FOOT SAN DIEGO, CA 92113	CA AST Database: AST, Date of Government Version: 07/06/2016	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS	N/A

EXECUTIVE SUMMARY

NRC Report #: 1062811

SOUTHWEST MARINE 2205 E BELT FOOT OF SAN DIEGO, CA 92170	CA HAZNET GEPAID: CAP000068353	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1118507	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA	CA CHMIRS OES Incident Number: 15-6463	N/A
BAE, 2205 EAST BELT BAE, 2205 EAST BELT SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 4-1801	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA	ERNS NRC Report #: 1006086	N/A
BAE SYSTEMS SAN DIEG BAE SYSTEMS SAN DIEG SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 13-2573	N/A
BAE SYSTEMS 2205 E BELT ST/FOOT SAN DIEGO, CA	CA AST Database: AST, Date of Government Version: 07/06/2016	N/A
CHEVRON USA INC BUMB 2205 EAST BELT SAN DIEGO, CA 92113	CA HAZNET GEPAID: CAT000614933	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1132130	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS	N/A

	NRC Report #: 1106167	
SOUTHWEST MARINE, 22 SOUTHWEST MARINE, 22 SAN DIEGO, CA	CA CHMIRS OES Incident Number: 1-6044	N/A
CMH ENVIRONMENTAL GR 2205 E BELT SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 4-0456 OES Incident Number: 15-0367 OES Incident Number: 15-2549 OES Incident Number: 4-6392 OES Incident Number: 13-6370 **Additional key fields are available in the Map Findings section* CA HAZNET GEPAID: CAC002423687	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1132457	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1059017	N/A
2205 BELT STREET, SA 2205 BELT STREET, SA SAN DIEGO, CA	CA CHMIRS OES Incident Number: 12-0725	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 10-0938	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1115220	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 13-0455	N/A
2205 EAST BELT 2205 EAST BELT SAN DIEGO, CA	ERNS	N/A

EXECUTIVE SUMMARY

NRC Report #: 919957

LOCKHEED MARTIN MISS 2205 E BELT ST SAN DIEGO, CA 92113	RCRA-SQG EPA ID:: CAR000255448	CAR000255448
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1100642	N/A
NATIONAL STEEL AND S 2205 BELT ST BLDG 13 SAN DIEGO, CA 92113	CA HAZNET GEPAID: CAR000223297	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 16-4677	N/A
AUSTAL USA PSA 2205 E BELT ST- FOOT SAN DIEGO, CA 92113	ECHO Registry ID: 110070260450	N/A
BAE SYSTEMS SAN DIEG 2205 E BELT ST/FOOT SAN DIEGO, CA 92113	FINDS Registry ID:: 110066822433	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1133924	N/A
2205 EAST BELT ST., 2205 EAST BELT ST., SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 08-1771	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA	CA CHMIRS OES Incident Number: 16-3566	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS	N/A

EXECUTIVE SUMMARY

NRC Report #: 1132300

PIER 3, 2205 EAST BE PIER 3, 2205 EAST BE SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 10-4561	N/A
USNS NAVAJO T-ATF169 2205 E BELT ST SAN DIEGO, CA 92113	CA HAZNET GEPAID: CAC002639202	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1115705	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1045577	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 08-3994	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1059290	N/A
2205 EAST BELT ST 2205 EAST BELT ST SAN DIEGO, CA	ERNS NRC Report #: 1222117	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1060412	N/A
BAE SYSTEMS SHIPYARD 2205 E BELT ST POSD SAN DIEGO, CA 92113	CA HAZNET GEPAID: CAR000220400	N/A
NATIONAL STEEL AND S 2205 E BELT STREET B SAN DIEGO, CA 92113	RCRA-LQG	CAR000223297

	EPA ID:: CAR000223297	
2205 E. BELT STREET 2205 E. BELT STREET SAN DIEGO, CA 92113	ERNS NRC Report #: 949440	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1098954	N/A
LOCKHEED MARTIN MISS 2205 E BELT ST SAN DIEGO, CA 92113	RCRA-SQG EPA ID:: CAR000164632 ICIS FRS ID:: 110002943450 FINDS Registry ID:: 110066953808 Registry ID:: 110002943450 ECHO Registry ID: 110066953808 Registry ID: 110002943450	CAR000164632
SWRMC @ BAE SYSTEMS 2205 BELT ST SAN DIEGO, CA 92113	FINDS Registry ID:: 110065976153	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 13-1532	N/A
LOCKHEED MARTIN INFO 2205 BELT ST SAN DIEGO, CA 92113	CA San Diego Co. HMMD Record ID: DEH2017-HUPFP-003481 CA HAZNET GEPAID: CAL000339818	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1203218	N/A
2205 E. BELT STREET 2205 E. BELT STREET SAN DIEGO, CA 92113	ERNS NRC Report #: 1224879	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS	N/A

EXECUTIVE SUMMARY

NRC Report #: 1041700

NO0A KA'IMIMOANA #R- 2205 BELT ST SAN DIEGO, CA 92113	CA HAZNET GEPAID: CAC002652954	N/A
2205 EAST BELT ST 2205 EAST BELT ST SAN DIEGO, CA 92113	ERNS NRC Report #: 1155051	N/A
SOUTHWEST MARINE 2205 EAST BELT (FOOT SAN DIEGO, CA 92113	SEMS-ARCHIVE Site ID: 0904776 EPA Id: CAD981172554	CAD981172554
SAMSON STREET AT BEL SAMSON STREET AT BEL SAN DIEGO, CA	CA CHMIRS OES Incident Number: 13-2020	N/A
PACIFIC SHIP (BAE SY 2205 EAST BELT SAN DIEGO, CA 92113	ICIS FRS ID:: 110002943450	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1184421	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1125571	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1079408	N/A
BAE SYSTEMS SAN DIEG 2205 EAST BELT STREE SAN DIEGO, CA 92113	CA CPS-SLIC Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Open - Site Assessment Global Id: T10000003580	N/A
	CA CHMIRS	

OES Incident Number: 13-5494
OES Incident Number: 13-5559
OES Incident Number: 12-1214
OES Incident Number: 13-5819
OES Incident Number: 12-1595
**Additional key fields are available in the Map Findings section*

CA ENF
Status: Historical
Status: Withdrawn
Status: Historical
Facility Id: 257991

CA NPDES
Facility Status: Terminated

CA CIWQS

2205 E. BELT ST.
2205 E. BELT ST.
SAN DIEGO, CA 92113

ERNS N/A
NRC Report #: 1158864

2205 EAST BELT STREE
2205 EAST BELT STREE
SAN DIEGO, CA 92113

ERNS N/A
NRC Report #: 1211749

SOUTHWEST MARINE INC
2205 E BELT STREET
SAN DIEGO, CA 92113

CA LUST N/A
Database: LUST, Date of Government Version: 09/10/2018
Status: Completed - Case Closed
Global Id: T0607302234

CA CPS-SLIC
Database: CPS-SLIC, Date of Government Version: 09/10/2018
Facility Status: Completed - Case Closed
Facility Status: Open - Site Assessment
Global Id: T0608142390
Global Id: SL607392738

CA San Diego Co. HMMD
Record ID: DEH2002-HUPFP-109689
Record ID: DEH2017-HUPFP-003491

CA CHMIRS
OES Incident Number: 1-0776
OES Incident Number: 1-6358
OES Incident Number: 13-4336
OES Incident Number: 17-2898
OES Incident Number: 1-3901
**Additional key fields are available in the Map Findings section*

CA HAZNET
GEPAID: CAC002902186
GEPAID: CAL000416419
GEPAID: CAL000428137

2205 E BELT ST
2205 E BELT ST
SAN DIEGO, CA

ERNS N/A

EXECUTIVE SUMMARY

NRC Report #: 1176088

PIER 3 2205 EAST BEL PIER 3 2205 EAST BEL SAN DIEGO, CA	CA CHMIRS OES Incident Number: 4-5995	N/A
BAE SYSTEMS 2205 BEL BAE SYSTEMS 2205 BEL SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 13-1906	N/A
SOUTHWEST MARINE, IN 2205 E BELT ST SAN DIEGO, CA 92113	CA HIST UST Facility Id: 00000036362	N/A
2205 E. BELT STREET 2205 E. BELT STREET SAN DIEGO, CA	ERNS NRC Report #: 993543	N/A
2205 EAST BELT ST 2205 EAST BELT ST SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 18-0679	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1077602	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1075604	N/A
USS BRIDGE IMO# T-AO 2205 E BELT ST SAN DIEGO, CA 92113	CA HAZNET GEPAID: CAC002605968	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1081793	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA	ERNS	N/A

EXECUTIVE SUMMARY

	NRC Report #: 1072181	
SHIPYARD SEDIMENT SI 2205 EAST BELT STREE SAN DIEGO, CA 92113	FINDS Registry ID:: 110066583389	N/A
2205 E BELT ST 2205 E BELT ST SAN DIEGO, CA	ERNS NRC Report #: 1178135	N/A
2205 BELT STREET 2205 BELT STREET SAN DIEGO, CA	ERNS NRC Report #: 1066508	N/A
BAE SYSTEMS SAN DIEG 2205 EAST BELT SAN DIEGO, CA 92113	FINDS Registry ID:: 110065066984	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA	CA CHMIRS OES Incident Number: 4-2569	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1106330	N/A
2205 E. BELT ST. PIE 2205 E. BELT ST. PIE SAN DIEGO, CA	CA CHMIRS OES Incident Number: 6-5847	N/A
CORRPRO COMPANIES IN 2205 BELT ST SAN DIEGO, CA 92113	CA HIST UST CA CHMIRS OES Incident Number: 4-0492 CA HAZNET GEPAID: CAC002643148	N/A
AMSEC LLC (BAE SYSTE 2205 BELT ST SAN DIEGO, CA 92113	ECHO Registry ID: 110070260405	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	CA CHMIRS	N/A

EXECUTIVE SUMMARY

	OES Incident Number: 12-4870	
2205 E BELT ST 2205 E BELT ST SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 15-6427	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1009002	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1053865	N/A
2205 E. BELT ST., PI 2205 E. BELT ST., PI SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 15-5304	N/A
2205 E BELT ST 2205 E BELT ST SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 4-1762	N/A
NASSCO 2205 EAST BELT PIER SAN DIEGO, CA 92170	CA CHMIRS OES Incident Number: 15-3113 CA HAZNET GEPAID: CAP000098780	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1128029	N/A
PIER 1 NORTH, 2205 E PIER 1 NORTH, 2205 E SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 08-1293	N/A
2205 EAST BELT ST. 2205 EAST BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1103871	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS	N/A

EXECUTIVE SUMMARY

NRC Report #: 1183300

2205 E. BELT ST 2205 E. BELT ST SAN DIEGO, CA	CA CHMIRS OES Incident Number: 15-6852	N/A
2205 EAST BELT ST, P 2205 EAST BELT ST, P SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 15-5300	N/A
2205 BELT ST AT PIER 2205 BELT ST AT PIER SAN DIEGO, CA 92113	CA CHMIRS OES Incident Number: 1-0566	N/A
2205 E. BELT ST. 2205 E. BELT ST. SAN DIEGO, CA 92113	ERNS NRC Report #: 1040912	N/A
2205 EAST BELT STREE 2205 EAST BELT STREE SAN DIEGO, CA 92113	ERNS NRC Report #: 1032378	N/A

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

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

State- and tribal - equivalent NPL

CA RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

CA SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

CA VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

CA BROWNFIELDS..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

CA WMUDS/SWAT	Waste Management Unit Database
CA SWRCY	Recycler Database
CA 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
CA HIST Cal-Sites	Historical Calsites Database
CA SCH	School Property Evaluation Program
CA CDL	Clandestine Drug Labs
CA Toxic Pits	Toxic Pits Cleanup Act Sites
CA CERS HAZ WASTE	CERS HAZ WASTE
US CDL	National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST	Facility Inventory Database
CA CERS TANKS	California Environmental Reporting System (CERS) Tanks

Local Land Records

CA LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
CA DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
CA LDS	Land Disposal Sites Listing
CA MCS	Military Cleanup Sites Listing
CA SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS	Formerly Used Defense Sites
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
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
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 MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
UXO Unexploded Ordnance Sites
DOCKET HWC Hazardous Waste Compliance Docket Listing
CA BOND EXP. PLAN Bond Expenditure Plan
CA Cortese "Cortese" Hazardous Waste & Substances Sites List
CA CUPA Listings CUPA Resources List
CA DRYCLEANERS Cleaner Facilities
CA Financial Assurance Financial Assurance Information Listing
CA ICE ICE
CA HWP EnviroStor Permitted Facilities Listing
CA MINES Mines Site Location Listing
CA MWMP Medical Waste Management Program Listing
CA PEST LIC Pesticide Regulation Licenses Listing
CA PROC Certified Processors Database
CA UIC UIC Listing
CA WASTEWATER PITS Oil Wastewater Pits Listing
CA WDS Waste Discharge System
CA CERS CERS
CA WIP Well Investigation Program Case List
CA SAMPLING POINT SAMPLING POINT (GEOTRACKER)
CA OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
CA MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
CA NON-CASE INFO NON-CASE INFO (GEOTRACKER)
CA PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
CA UIC GEO UIC GEO (GEOTRACKER)
CA PROJECT PROJECT (GEOTRACKER)
CA WELL STIM PROJ Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

CA RGA LF Recovered Government Archive Solid Waste Facilities List

CA 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

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: 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.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 11/14/2018 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KELCO DIVISION OF ME Site ID: 0904769 EPA Id: CAD983658436	2145 EAST BELT	0 - 1/8 (0.000 mi.)	A127	598
CONTINENTAL MARITIME Site ID: 0904767 EPA Id: CAD981418395	***1995 BAYFRONT STREET***	***NNW 0 - 1/8 (0.033 mi.)***	***D140***	***672***

Federal RCRA generators list

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 15 RCRA-LQG sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CNRSW PORT OPS BROW EPA ID:: CAD981379415	***2145 E BELT ST***	***0 - 1/8 (0.000 mi.)***	***A128***	***599***
SWRMC USN, AT BAE SY EPA ID:: CA1170090616	FOOT OF SAMPSON STRE	0 - 1/8 (0.000 mi.)	B129	605
SOUTHWEST MARINE, IN EPA ID:: CAD981172554	***FOOT OF SAMPSON ST.***	***0 - 1/8 (0.000 mi.)***	***B134***	***644***
CONTINENTAL MARITIME EPA ID:: CAD981418395	***1995 BAYFRONT STREET***	***NNW 0 - 1/8 (0.033 mi.)***	***D140***	***672***
CONTINENTAL MARITIME EPA ID:: CAR000177378	***1995 BAY FRONT STREE***	***NNW 0 - 1/8 (0.033 mi.)***	***D144***	***725***
CONTINENTAL MARITIME EPA ID:: CAD983646969	1995 BAY FRONT ST.	NNW 0 - 1/8 (0.033 mi.)	D145	733
CONTINENTAL MARITIME EPA ID:: CAD983646977	1995 BAY FRONT ST	NNW 0 - 1/8 (0.033 mi.)	D146	741
BAE SYSTEMS CMSD EPA ID:: CAR000108548	1995 BAY FRONT STREE	NNW 0 - 1/8 (0.033 mi.)	D147	745
SOUTHWEST MARINE EPA ID:: CAP000147272	1995 BAYFRONT STREET	NNW 0 - 1/8 (0.033 mi.)	D149	754
SOUTHWEST MARINE, IN EPA ID:: CAP000101121	1995 BAY FRONT STREE	NNW 0 - 1/8 (0.033 mi.)	D150	756
SWRMC USN, AT CMSD EPA ID:: CA4170090613	1995 BAY FRONT STREE	NNW 0 - 1/8 (0.033 mi.)	D153	761
BAE SYSTEMS MSD EPA ID:: CAR000165183	***1401 SAMPSON ST.***	***NE 0 - 1/8 (0.049 mi.)***	***E160***	***816***
SAN DIEGO GAS AND EL EPA ID:: CAT000618934	***1348 SAMPSON STREET***	***NE 0 - 1/8 (0.096 mi.)***	***E164***	***859***
SFPP LP HARBOR JUNCT EPA ID:: CAR000267229	***2295 E HARBOR DRIVE***	***ENE 0 - 1/8 (0.110 mi.)***	***G170***	***881***
TESORO LOGISTICS, AR EPA ID:: CAD000633271	***2295 E. HARBOR DRIVE***	***ENE 0 - 1/8 (0.110 mi.)***	***G175***	***885***

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 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 03/01/2018 has revealed that there are 4 RCRA-SQG sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER UNOCAL 351322	1995 BAY FRONT STREE	NNW 0 - 1/8 (0.033 mi.)	D151	757

EPA ID:: CAR000270488

SOUTHBAY SANDBLASTIN	***1995 BAYFRONT ST PIE***	***NNW 0 - 1/8 (0.033 mi.)***	***D152***	***759***
EPA ID:: CAR000034363				
CONTINENTAL MARITIME	***1995 BAYFRONT STREET***	***NNW 0 - 1/8 (0.033 mi.)***	***D155***	***791***
EPA ID:: CAD020511010				
CALTRANS CORONADO BR	***1120 DEWEY STREET***	***NW 0 - 1/8 (0.075 mi.)***	***F161***	***850***
EPA ID:: CAD982519969				

State- and tribal - equivalent CERCLIS

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes 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 CA ENVIROSTOR list, as provided by EDR, and dated 10/29/2018 has revealed that there are 3 CA ENVIROSTOR sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARBOR BOAT AND TUG	***2145 BELT ST***	***0 - 1/8 (0.000 mi.)***	***A126***	***586***
Facility Id: 71002765				
Facility Id: 37000031				
Status: Inactive - Needs Evaluation				
Status: Refer: 1248 Local Agency				
CHEVRON HARBOR TERMI	***2295 BELT STREET***	***ESE 0 - 1/8 (0.021 mi.)***	***B137***	***668***
Facility Id: 37290007				
Status: Refer: 1248 Local Agency				
CONTINENTAL MARITIME	***1995 BAY FRONT ST***	***NNW 0 - 1/8 (0.033 mi.)***	***D154***	***771***
Facility Id: 71002826				
Status: Inactive - Needs Evaluation				

State and tribal leaking storage tank lists

CA SAN DIEGO CO. SAM: 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.

A review of the CA SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there are 6 CA SAN DIEGO CO. SAM sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CNRSW PORT OPS BROW	***2145 E BELT ST***	***0 - 1/8 (0.000 mi.)***	***A128***	***599***

Case Number: H02377-001
Case Number: H02377-002
Case Number: H02377-003
Case Number: H02377-004
Case Number: H02377-005
*Additional key fields are available in the Map Findings section
Facility Status: Preliminary Assessment
Facility Status: Closed Case

CONTINENTAL MARITIME	***1995 BAYFRONT STREET***	***NNW 0 - 1/8 (0.033 mi.)***	***D140***	***672***

Case Number: H02857-001
Facility Status: Leak Being Confirmed

CONTINENTAL MARITIME	***1995 BAYFRONT ST***	***NNW 0 - 1/8 (0.033 mi.)***	***D141***	***694***

Case Number: H00120-001
Case Number: H00120-002
Case Number: H00120-003
Facility Status: Closed Case

SDG&E SILVERGATE SUB	***1348 SAMPSON ST***	***NE 0 - 1/8 (0.096 mi.)***	***E165***	***862***

Case Number: H13942-001
Case Number: H13942-002
Case Number: H13942-003
Facility Status: Preliminary Assessment
Facility Status: Closed Case

ARCO	***2295 HARBOR DR E***	***ENE 0 - 1/8 (0.110 mi.)***	***G176***	***959***

Case Number: H02375-001
Case Number: H02375-002
Case Number: H02375-003
Case Number: H02375-004
Case Number: H02375-005
Facility Status: Remedial Action (Clean-Up)
Facility Status: Closed Case

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWEST MARINE INC	1427 W SAMPSON ST	0 - 1/8 (0.000 mi.)	C130	615

Case Number: H09689-003
Facility Status: Remedial Investigation

CA LUST: 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.

A review of the CA LUST list, as provided by EDR, has revealed that there are 9 CA LUST sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARBOR BOAT AND TUG	***2145 BELT ST***	***0 - 1/8 (0.000 mi.)***	***A126***	***586***

Database: LUST, Date of Government Version: 09/10/2018
Status: Completed - Case Closed
Global Id: T0607301155
Global Id: T0607301188

KELCO / NUTRASWEET K	***2145 BELT ST E***	***0 - 1/8 (0.000 mi.)***	***A135***	***660***

Database: LUST REG 9, Date of Government Version: 03/01/2001

Closed Date: 9/28/88
Status: Case Closed
Case Number: 9UT239
Case Number: 9UT2423

CONTINENTAL MARITIME ***1995 BAYFRONT STREET*** ***NNW 0 - 1/8 (0.033 mi.)*** ***D140*** ***672***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 5/25/89
Closed Date: 2/24/97
Status: Preliminary site assessment underway
Status: Case Closed
Case Number: 9UT138
Case Number: 9UT2467
Case Number: 9UT2996

CONTINENTAL MARITIME ***1995 BAYFRONT ST*** ***NNW 0 - 1/8 (0.033 mi.)*** ***D141*** ***694***
Database: LUST, Date of Government Version: 09/10/2018
Status: Completed - Case Closed
Global Id: T0607301763
Global Id: T0607300219
Global Id: T0607301225

SOUTHWEST MARINE INC ***FOOT OF SAMPSON ST*** ***NW 0 - 1/8 (0.081 mi.)*** ***F162*** ***852***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 7/13/98
Status: Case Closed
Case Number: 9UT3470

SDG&E SILVERGATE SUB ***1348 SAMPSON ST*** ***NE 0 - 1/8 (0.096 mi.)*** ***E165*** ***862***
Database: LUST, Date of Government Version: 09/10/2018
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Completed - Case Closed
Status: Open - Eligible for Closure
Closed Date: 2/12/88
Status: Case Closed
Global Id: T0607302743
Global Id: T06019761425
Case Number: 9UT437

ARCO TERMINAL 2295 HARBOR DR E ENE 0 - 1/8 (0.110 mi.) G167 879
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment underway
Case Number: 9UT3030

ARCO GAS TERMINAL 2295 HARBOR DR E ENE 0 - 1/8 (0.110 mi.) G173 884
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3986

ARCO ***2295 HARBOR DR E*** ***ENE 0 - 1/8 (0.110 mi.)*** ***G176*** ***959***
Database: LUST, Date of Government Version: 09/10/2018
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Open - Remediation
Status: Completed - Case Closed
Closed Date: 4/20/87
Status: Preliminary site assessment underway
Status: Case Closed
Global Id: T0607301799
Global Id: T0607399202
Global Id: T0607301045

Global Id: T0607301975
Case Number: 9UT19
Case Number: 9UT2279
Case Number: 9UT3218

CA CPS-SLIC: 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.

A review of the CA CPS-SLIC list, as provided by EDR, has revealed that there are 8 CA CPS-SLIC sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARBOR BOAT AND TUG	***2145 BELT ST***	***0 - 1/8 (0.000 mi.)***	***A126***	***586***
Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Completed - Case Closed Global Id: T0608138779 Global Id: T0608163856 Global Id: T0608179993 Global Id: T0608117074 Global Id: T0608151729 **Additional key fields are available in the Map Findings section*				
SDG&E AND BAE SYSTEM	2145 EAST BELT STREE	0 - 1/8 (0.000 mi.)	A132	616
Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Open - Site Assessment Global Id: T10000008866				
CONTINENTAL MARITIME	***1995 BAYFRONT STREET***	***NNW 0 - 1/8 (0.033 mi.)***	***D140***	***672***
Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Open - Site Assessment Global Id: T10000004954				
CONTINENTAL MARITIME	***1995 BAY FRONT ST***	***NNW 0 - 1/8 (0.033 mi.)***	***D143***	***718***
Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Open - Site Assessment Global Id: T0608163896				
CONTINENTAL MARITIME	***1995 BAY FRONT ST***	***NNW 0 - 1/8 (0.033 mi.)***	***D154***	***771***
Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Completed - Case Closed Global Id: T0608190985				
CHEVRON PIPELINE RUP	BELT STREET	ESE 0 - 1/8 (0.045 mi.)	B156	794
Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Completed - Case Closed Global Id: SL0607379122				
SDG&E SILVERGATE SUB	***1348 SAMPSON ST***	***NE 0 - 1/8 (0.096 mi.)***	***E165***	***862***
Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Open - Site Assessment Global Id: SLT19730585				
ARCO	***2295 HARBOR DR E***	***ENE 0 - 1/8 (0.110 mi.)***	***G176***	***959***
Database: CPS-SLIC, Date of Government Version: 09/10/2018 Facility Status: Completed - Case Closed				

Global Id: T0608130078

State and tribal registered storage tank lists

CA 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 CA UST list, as provided by EDR, has revealed that there are 2 CA UST sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CNRSW PORT OPS BROW	***2145 E BELT ST***	***0 - 1/8 (0.000 mi.)***	***A128***	***599***
Database: UST, Date of Government Version: 09/10/2018 Facility Id: H02377				
TESORO SAN DIEGO TER	***2295 HARBOR DR***	***ENE 0 - 1/8 (0.110 mi.)***	***G169***	***880***
Database: UST, Date of Government Version: 09/10/2018 Facility Id: H02375				

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, has revealed that there are 6 CA AST sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARBOR BOAT AND TUG	***2145 BELT ST***	***0 - 1/8 (0.000 mi.)***	***A126***	***586***
Database: AST, Date of Government Version: 07/06/2016				
R E STAITE ENGINEERI	***2145 E BELT ST***	***0 - 1/8 (0.000 mi.)***	***A133***	***617***
Database: AST, Date of Government Version: 07/06/2016				
CONTINENTAL MARITIME	1995 BAYFRONT ST	NNW 0 - 1/8 (0.033 mi.)	D148	753
Database: AST, Date of Government Version: 07/06/2016				
BAE SYSTEMS SAN DIEG	***1401 SAMPSON ST***	***NE 0 - 1/8 (0.049 mi.)***	***E157***	***795***
Database: AST, Date of Government Version: 07/06/2016				
BAE SYSTEMS MSD	***1401 SAMPSON ST***	***NE 0 - 1/8 (0.049 mi.)***	***E159***	***815***
Database: AST, Date of Government Version: 07/06/2016				
TESORO SAN DIEGO TER	2295 E HARBOR DR	ENE 0 - 1/8 (0.110 mi.)	G168	880
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

CA 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 CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 7 CA SWEEPS UST sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARBOR BOAT AND TUG Status: A Tank Status: A Comp Number: 2377	***2145 BELT ST***	***0 - 1/8 (0.000 mi.)***	***A126***	***586***
S D UNIFIED PORT DIS Comp Number: 21194	***2025 BELT ST***	***0 - 1/8 (0.000 mi.)***	***A136***	***667***
CONTINENTAL MARITIME Status: A Comp Number: 120	***1995 BAYFRONT ST***	***NNW 0 - 1/8 (0.033 mi.)***	***D141***	***694***
BAE SYSTEMS (MSD) Status: A Tank Status: A Comp Number: 23049	***1401 SAMPSON ST***	***NE 0 - 1/8 (0.049 mi.)***	***E158***	***797***
SDG&E SILVERGATE SUB Status: A Comp Number: 13942	***1348 SAMPSON ST***	***NE 0 - 1/8 (0.096 mi.)***	***E165***	***862***
SAN DIEGO PIPELINE C Comp Number: 21197	2295 E HARBOR DR A	ENE 0 - 1/8 (0.110 mi.)	G174	885
ARCO Status: A Tank Status: A Comp Number: 2375	***2295 HARBOR DR E***	***ENE 0 - 1/8 (0.110 mi.)***	***G176***	***959***

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 7 CA HIST UST sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARBOR BOAT AND TUG Facility Id: 00000001334	***2145 BELT ST***	***0 - 1/8 (0.000 mi.)***	***A126***	***586***
CONTINENTAL MARITIME	***1995 BAYFRONT ST***	***NNW 0 - 1/8 (0.033 mi.)***	***D141***	***694***
CONTINENTAL MARITIME Facility Id: 00000011727	***1995 BAYFRONT STREET***	***NNW 0 - 1/8 (0.033 mi.)***	***D155***	***791***
SILVER GATE POWER PL Facility Id: 00000063684	***1348 SAMPSON ST***	***NE 0 - 1/8 (0.096 mi.)***	***E163***	***857***
SDG&E SILVERGATE SUB	***1348 SAMPSON ST***	***NE 0 - 1/8 (0.096 mi.)***	***E165***	***862***
ARCO	***2295 HARBOR DR E***	***ENE 0 - 1/8 (0.110 mi.)***	***G176***	***959***
ARCO SAN DIEGO TERMI Facility Id: 00000004638	***2295 HARBOR DR***	***ENE 0 - 1/8 (0.110 mi.)***	***G177***	***1020***

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 03/01/2018 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BAY DECKING COMPANY EPA ID:: CAD982019077	***1995 BAY FRONT ST***	***NNW 0 - 1/8 (0.033 mi.)***	***D139***	***671***
PROPULSION CONTROLS EPA ID:: CAD073349607	1304 SAMPSON ST	NNE 0 - 1/8 (0.108 mi.)	166	877

FUELS PROGRAM: 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.

A review of the FUELS PROGRAM list, as provided by EDR, and dated 08/22/2018 has revealed that there is 1 FUELS PROGRAM site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TLO SAN DIEGO TERMIN Company Seq ID: 4249 Facility ID: 21503	***2295 HARBOR DR***	***ENE 0 - 1/8 (0.110 mi.)***	***G172***	***883***

CA HIST CORTESE: 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 [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 5 CA HIST CORTESE sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KELCO / NUTRASWEET K Reg Id: 9UT239 Reg Id: 9UT2423	***2145 BELT ST E***	***0 - 1/8 (0.000 mi.)***	***A135***	***660***
CONTINENTAL MARITIME Reg Id: 9UT2467 Reg Id: 9UT2996 Reg Id: 9UT138	***1995 BAY FRONT ST***	***NNW 0 - 1/8 (0.033 mi.)***	***D154***	***771***
SOUTHWEST MARINE INC Reg Id: 9UT3470	***FOOT OF SAMPSON ST***	***NW 0 - 1/8 (0.081 mi.)***	***F162***	***852***
SDG&E SILVERGATE SUB Reg Id: 9UT437	***1348 SAMPSON ST***	***NE 0 - 1/8 (0.096 mi.)***	***E165***	***862***
ARCO	***2295 HARBOR DR E***	***ENE 0 - 1/8 (0.110 mi.)***	***G176***	***959***

Reg Id: 9UT19
Reg Id: 9UT2279
Reg Id: 9UT3218
Reg Id: 9UT3030

CA HWT: 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.

A review of the CA HWT list, as provided by EDR, and dated 10/09/2018 has revealed that there is 1 CA HWT site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PIER 6 MAINTENANCE D	***1995 BAY FRONT STREE***	***NNW 0 - 1/8 (0.033 mi.)***	***D142***	***715***
Reg Num: 2606				

TX Ind. Haz Waste: The Industrial and Hazardous Waste Database contains summary reports by waste handlers, generators and shippers in Texas.

A review of the TX Ind. Haz Waste list, as provided by EDR, and dated 10/05/2018 has revealed that there is 1 TX Ind. Haz Waste site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC TREATMENT	2190 MAIN ST	NNE 1/8 - 1/4 (0.210 mi.)	178	1023
Registration Number: 40957				

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 07/01/2018 has revealed that there are 2 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CNRSW PORT OPS BROW	***2145 E BELT ST***	***0 - 1/8 (0.000 mi.)***	***A128***	***599***
EPA ID: CAD981379415				
CONTINENTAL MARITIME	***1995 BAYFRONT STREET***	***NNW 0 - 1/8 (0.033 mi.)***	***D140***	***672***
EPA ID: CAD981418395				

CA Notify 65: 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.

A review of the CA Notify 65 list, as provided by EDR, and dated 09/19/2018 has revealed that there is 1 CA Notify 65 site within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHWEST MARINE INC	***FOOT OF SAMPSON ST***	***NW 0 - 1/8 (0.081 mi.)***	***F162***	***852***

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: 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.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BETTENCOURT FRANK	1 2301 E BELT	ESE 0 - 1/8 (0.027 mi.)	B138	670
SCHROEDER TED R	2295 E HARBOR DR	ENE 0 - 1/8 (0.110 mi.)	G171	883

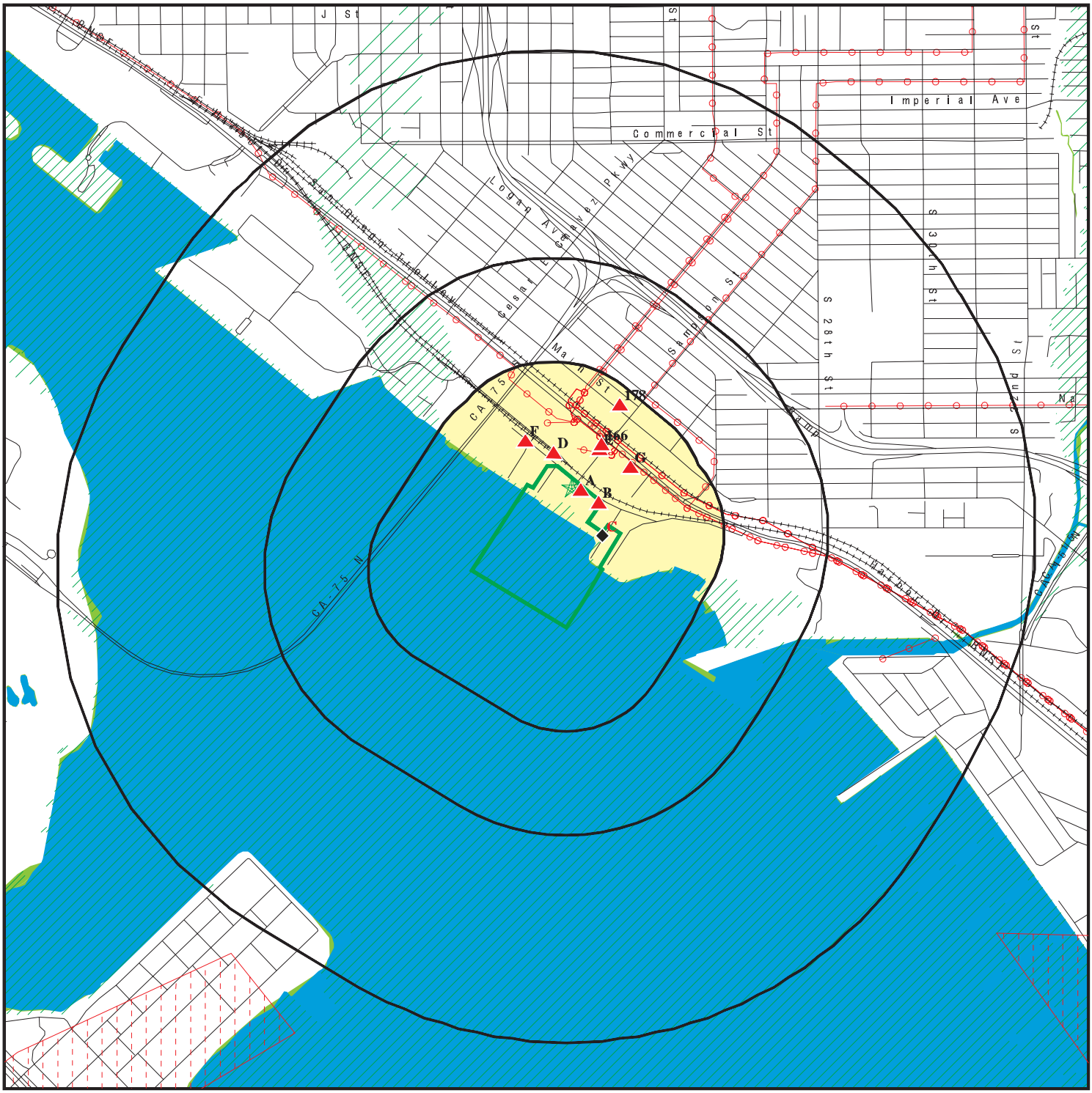
Lower Elevation	Address	Direction / Distance	Map ID	Page
FISHERMAN S DOCK ARC	1500 SICARD ST	0 - 1/8 (0.000 mi.)	C131	616

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
FORMER UNOCAL PIPELINE	CA SAN DIEGO CO. SAM
SOUTHWEST MARINE INC	CA SAN DIEGO CO. SAM

OVERVIEW MAP - 5512078.2S



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

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

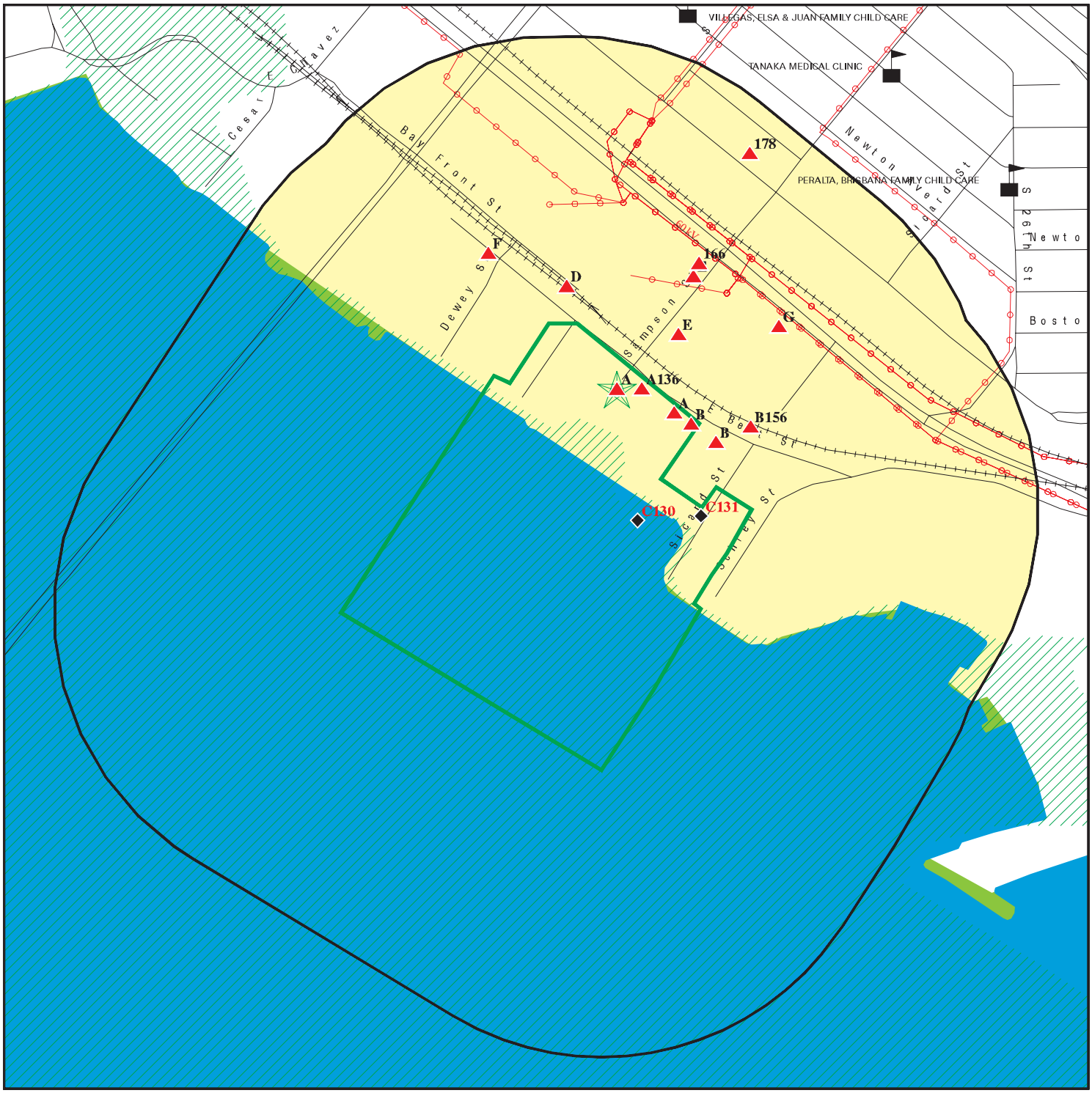
N

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:	BAE Waterfront Improvement Project	CLIENT:	Ninyo & Moore
ADDRESS:	2205 East Belt Street San Diego CA 92113	CONTACT:	Lisa Bestard
		INQUIRY #:	5512078.2s
LAT/LONG:	32.69312 / 117.14403	DATE:	December 14, 2018 2:38 pm

Copyright © 2018 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 5512078.2S



- 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

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- 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:	BAE Waterfront Improvement Project	CLIENT:	Ninyo & Moore
ADDRESS:	2205 East Belt Street San Diego CA 92113	CONTACT:	Lisa Bestard
LAT/LONG:	32.69312 / 117.14403	INQUIRY #:	5512078.2s
		DATE:	December 14, 2018 2:42 pm

Copyright © 2018 EDR, Inc. © 2015 TomTom Rel. 2015.

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								
Federal NPL site list								
NPL	0.125		0	NR	NR	NR	NR	0
Proposed NPL	0.125		0	NR	NR	NR	NR	0
NPL LIENS	0.125		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	0.125		0	NR	NR	NR	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.125		0	NR	NR	NR	NR	0
SEMS	0.125		0	NR	NR	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.125	1	2	NR	NR	NR	NR	3
Federal RCRA CORRACTS facilities list								
CORRACTS	0.125		0	NR	NR	NR	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.125		0	NR	NR	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.125	3	15	NR	NR	NR	NR	18
RCRA-SQG	0.125	2	4	NR	NR	NR	NR	6
RCRA-CESQG	0.125		0	NR	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.125		0	NR	NR	NR	NR	0
US ENG CONTROLS	0.125		0	NR	NR	NR	NR	0
US INST CONTROL	0.125		0	NR	NR	NR	NR	0
Federal ERNS list								
ERNS	TP	55	NR	NR	NR	NR	NR	55
State- and tribal - equivalent NPL								
CA RESPONSE	0.125		0	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
CA ENVIROSTOR	0.125		3	NR	NR	NR	NR	3
State and tribal landfill and/or solid waste disposal site lists								
CA SWF/LF	0.125		0	NR	NR	NR	NR	0
State and tribal leaking storage tank lists								
CA SAN DIEGO CO. SAM	0.125		6	NR	NR	NR	NR	6

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
CA LUST	0.125	1	9	NR	NR	NR	NR	10
INDIAN LUST	0.125		0	NR	NR	NR	NR	0
CA CPS-SLIC	0.125	2	8	NR	NR	NR	NR	10
State and tribal registered storage tank lists								
FEMA UST	0.125		0	NR	NR	NR	NR	0
CA UST	0.125	1	2	NR	NR	NR	NR	3
CA AST	0.125	2	6	NR	NR	NR	NR	8
INDIAN UST	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
CA VCP	0.125		0	NR	NR	NR	NR	0
INDIAN VCP	0.125		0	NR	NR	NR	NR	0
State and tribal Brownfields sites								
CA BROWNFIELDS	0.125		0	NR	NR	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.125		0	NR	NR	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
CA WMUDS/SWAT	0.125		0	NR	NR	NR	NR	0
CA SWRCY	0.125		0	NR	NR	NR	NR	0
CA HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.125		0	NR	NR	NR	NR	0
ODI	0.125		0	NR	NR	NR	NR	0
DEBRIS REGION 9	0.125		0	NR	NR	NR	NR	0
IHS OPEN DUMPS	0.125		0	NR	NR	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CA HIST Cal-Sites	0.125		0	NR	NR	NR	NR	0
CA SCH	0.125		0	NR	NR	NR	NR	0
CA CDL	TP		NR	NR	NR	NR	NR	0
CA San Diego Co. HMMD	TP	3	NR	NR	NR	NR	NR	3
CA Toxic Pits	0.125		0	NR	NR	NR	NR	0
CA CERS HAZ WASTE	0.125		0	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA SWEEPS UST	0.125		7	NR	NR	NR	NR	7
CA HIST UST	0.125	2	7	NR	NR	NR	NR	9
CA FID UST	0.125		0	NR	NR	NR	NR	0
CA CERS TANKS	0.125		0	NR	NR	NR	NR	0
Local Land Records								
CA LIENS	TP		NR	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	TP		NR	NR	NR	NR	NR	0
CA DEED	0.125		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CA CHMIRS	TP	42	NR	NR	NR	NR	NR	42
CA LDS	TP		NR	NR	NR	NR	NR	0
CA MCS	TP		NR	NR	NR	NR	NR	0
CA SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.125		2	NR	NR	NR	NR	2
FUDS	0.125		0	NR	NR	NR	NR	0
DOD	0.125		0	NR	NR	NR	NR	0
SCRD DRYCLEANERS	0.125		0	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.125		0	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	0.125		0	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP	2	NR	NR	NR	NR	NR	2
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.125		0	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	0.125		0	NR	NR	NR	NR	0
INDIAN RESERV	0.125		0	NR	NR	NR	NR	0
FUSRAP	0.125		0	NR	NR	NR	NR	0
UMTRA	0.125		0	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.125		0	NR	NR	NR	NR	0
ABANDONED MINES	0.125		0	NR	NR	NR	NR	0
FINDS	TP	6	NR	NR	NR	NR	NR	6
UXO	0.125		0	NR	NR	NR	NR	0
ECHO	TP	3	NR	NR	NR	NR	NR	3
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.125		1	NR	NR	NR	NR	1
CA BOND EXP. PLAN	0.125		0	NR	NR	NR	NR	0
CA Cortese	0.125		0	NR	NR	NR	NR	0
CA CUPA Listings	0.125		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
CA DRYCLEANERS	0.125		0	NR	NR	NR	NR	0
CA EMI	TP		NR	NR	NR	NR	NR	0
CA ENF	TP	1	NR	NR	NR	NR	NR	1
CA Financial Assurance	TP		NR	NR	NR	NR	NR	0
CA HAZNET	TP	15	NR	NR	NR	NR	NR	15
CA ICE	TP		NR	NR	NR	NR	NR	0
CA HIST CORTESE	0.125		5	NR	NR	NR	NR	5
CA HWP	0.125		0	NR	NR	NR	NR	0
CA HWT	0.125		1	NR	NR	NR	NR	1
TX Ind. Haz Waste	0.250		0	1	NR	NR	NR	1
NY MANIFEST	0.250		2	0	NR	NR	NR	2
CA MINES	0.125		0	NR	NR	NR	NR	0
CA MWMP	0.125		0	NR	NR	NR	NR	0
CA NPDES	TP	2	NR	NR	NR	NR	NR	2
CA PEST LIC	TP		NR	NR	NR	NR	NR	0
CA PROC	0.125		0	NR	NR	NR	NR	0
CA Notify 65	0.125		1	NR	NR	NR	NR	1
CA UIC	TP		NR	NR	NR	NR	NR	0
CA WASTEWATER PITS	0.125		0	NR	NR	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
CA SAN DIEGO CO LOP	TP		NR	NR	NR	NR	NR	0
CA CERS	TP		NR	NR	NR	NR	NR	0
CA WIP	0.125		0	NR	NR	NR	NR	0
CA CIWQS	TP	2	NR	NR	NR	NR	NR	2
CA SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
CA OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
CA MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
CA NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
CA PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
CA UIC GEO	TP		NR	NR	NR	NR	NR	0
CA PROJECT	TP		NR	NR	NR	NR	NR	0
CA WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	0.125		0	NR	NR	NR	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
CA RGA LF	TP		NR	NR	NR	NR	NR	0
CA RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		145	84	1	0	0	0	230

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **ERNS** **2011965984**
Target **2205 EAST BELT STREET** **N/A**
Property **SAN DIEGO, CA 92113**

Site 1 of 132 in cluster A

Actual:
18 ft.

Incident Commons:

NRC Report #:	965984
Description of Incident:	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2011-01-28 16:15:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	965984
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE

(Continued) **2011965984**

Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	3 S
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported

(Continued) **2011965984**

Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	965984
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	MAKING NOTIFICATION. MATERIAL APPEARS TO NON-RECOVERABLE.
State Agency on Scene:	NONE
State Agency Report Number:	NONE
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported

(Continued) **2011965984**

Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	NO ADDITIONAL INFORMATION.
State Agency Notified:	NONE
Federal Agency Notified:	NONE
nearest River Mile Marker:	Not reported
Sheen Size Length:	30
Sheen Size Length Units:	FEET
Sheen Size Width:	50
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	965984
Site ID:	2011965984
Date Time Received:	2011-01-28 19:55:13
Date Time Complete:	2011-01-28 19:58:21
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	965984
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A2
Target Property **2205 E. BELT ST.**
SAN DIEGO, CA 92113

ERNS **2013058083**
N/A

Site 2 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1058083
Description of Incident:	CALLER IS REPORTING THAT A LEAK OF WASTE OIL FROM THE SHIP CREATED A SHEEN ON THE WATER.
Type of Incident:	VESSEL
Incident Cause:	OTHER
Incident Date Time:	2013-08-24 06:40:00
Incident DTG:	DISCOVERED
Incident Location:	Not reported
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1058083
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U

(Continued) **2013058083**

Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

(Continued) **2013058083**

Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1058083
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	ABSORBENTS APPLIED.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	GRAYISH
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported

(Continued) **2013058083**

Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	US NAVY
nearest River Mile Marker:	Not reported
Sheen Size Length:	80
Sheen Size Length Units:	FEET
Sheen Size Width:	20
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1058083
Site ID:	20131058083
Date Time Received:	2013-08-24 10:04:13
Date Time Complete:	2013-08-24 10:10:53
Call Type:	INC
Responsible Company:	US NAVY
Responsible Org Type:	MILITARY
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20131058083
Vessel Name:	USS RUSSELL
Vessel Type:	MILITARY
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	UNITED STATES OF AMERICA

(Continued) **2013058083**

Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1058083
Chris Code:	OWA
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	WASTE OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A3 **ERNS** **2017184418**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 3 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1184418
Description of Incident:	CALLER REPORTS A DISCHARGE OF LESS THAN ONE GALLON OF HYDRAULIC OIL WITH APPROXIMATELY ONE HALF OF A GALLON REACHING THE WATER DOWN A DECK DRAIN ON A VESSEL MOORED IN SAN DIEGO BAY. THE DISCHARGED OIL WAS RESIDUAL HYDRAULIC OIL LEFT INSIDE A HOSE AND DRAI
Type of Incident:	VESSEL
Incident Cause:	OPERATOR ERROR
Incident Date Time:	2017-07-18 07:40:00
Incident DTG:	DISCOVERED
Incident Location:	BAE SHIPYARD
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported

(Continued) **2017184418**

Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1184418
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported

(Continued) **2017184418**

Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1184418
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N

(Continued) **2017184418**

Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CALLER REPORTS THE AFFECTED AREA WAS BOOMED AND ABSORBANT PADS HAVE BEEN DEPLOYED. DISCHARGE WAS QUICKLY CONTAINED AND FINAL CLEANUP OPERATIONS ARE UNDERWAY.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	70
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	NAVY ONSCENE COORDINATER
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1184418

(Continued) **2017184418**

Site ID:	20171184418
Date Time Received:	2017-07-18 11:15:37
Date Time Complete:	2017-07-18 11:43:50
Call Type:	INC
Responsible Company:	US NAVY
Responsible Org Type:	UNKNOWN
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20171184418
Vessel Name:	USS PAUL HAMILTON
Vessel Type:	MILITARY
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	UNITED STATES OF AMERICA
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1184418
Chris Code:	OHY
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	1
Unit of Measure:	GALLON(S)
Name of Material:	HYDRAULIC OIL
If Reached Water:	YES
Amount in Water:	0.5
Unit of Measure Reach Water:	GALLON(S)

A4 **ERNS** **2013057997**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 4 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1057997
Description of Incident:	CALLER IS REPORTING THAT DURING EXCAVATION FOR CONSTRUCTION THERE WAS A SHEEN CREATED ON THE WATER FROM THE SOIL. THE SHEEN LOOKS LIKE VERY WEATHERED PRODUCT AND HAS SEDIMENTATION IN IT.
Type of Incident:	FIXED

(Continued) **2013057997**

Incident Cause:	OTHER
Incident Date Time:	2013-08-23 08:00:00
Incident DTG:	DISCOVERED
Incident Location:	PIER 4 BULKHEAD CONSTRUCTION
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1057997
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	CONSTRUCTION SITE
Power Generating Facility:	N
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported

(Continued) **2013057997**

Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1057997
Fire Involved:	N

(Continued) **2013057997**

Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	THE AREA HAS BEEN BOOMED AND ABSORBANT PADS ARE BEING APPLIED.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	72
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	BROWN
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported

(Continued) **2013057997**

Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	40
Sheen Size Length Units:	FEET
Sheen Size Width:	5
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1057997
Site ID:	20131057997
Date Time Received:	2013-08-23 11:21:31
Date Time Complete:	2013-08-23 11:26:56
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1057997
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A5 **ERNS** **2016150528**
Target Property **2205 EAST BELT ST**
SAN DIEGO, CA **N/A**

Site 5 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1150528
Description of Incident:	CALLER IS REPORTING THAT A HOSE RUPTURED RELEASING 1/2 A QUART OF HYDRAULIC OIL INTO THE WATERWAY.
Type of Incident:	VESSEL
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2016-06-13 10:11:00
Incident DTG:	OCCURRED
Incident Location:	BAE SYSTEMS PIER 1 NORTH
Loaction Address:	2205 EAST BELT ST
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1150528
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U

(Continued) **2016150528**

Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

(Continued) **2016150528**

Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1150528
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	ABSORBANT BOOM WAS IN PLACE AROUND THE AREA PRIOR TO THE RELEASE, BOOM WILL SOAK UP OIL.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	68
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported

(Continued) **2016150528**

Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	10
Sheen Size Length Units:	FEET
Sheen Size Width:	2
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1150528
Site ID:	20161150528
Date Time Received:	2016-06-13 15:03:33
Date Time Complete:	2016-06-13 15:10:49
Call Type:	INC
Responsible Company:	MANSON CONSTRUCTION
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	Not reported
Responsible State:	LA
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20161150528
Vessel Name:	DB VALKERY
Vessel Type:	BARGE
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N

(Continued) **2016150528**

Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1150528
Chris Code:	OHY
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0.5
Unit of Measure:	QUART(S)
Name of Material:	HYDRAULIC OIL
If Reached Water:	YES
Amount in Water:	0.5
Unit of Measure Reach Water:	QUART(S)

A6 **CA CHMIRS** **S111753492**
Target Property **2205 E BELT ST (BAE SYSTEMS)**
SAN DIEGO, CA 92113 **N/A**

Site 6 of 132 in cluster A

Actual:
18 ft.

CHMIRS:

OES Incident Number:	1-0901
OES notification:	02/15/2011
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

(Continued) **S111753492**

Waterway Involved:	Yes
Waterway:	San Diego Harbor
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	920
Year:	2011
Agency:	BAE System SD Ship Repair
Incident Date:	2/15/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Harbor
E Date:	Not reported
Substance:	Oil - Unk Type, rainbow colored
Quantity Released:	5’ x 200’
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:	Sheen observed by caller, unknown source, unknown cause, thin layer on water, no one on scene at this time.

A7 **ERNS 2013042450**
Target Property **2205 EAST BELT ST** **N/A**
SAN DIEGO, CA

Site 7 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1042450
Description of Incident:	A BROKEN HOSE ON A PORTABLE GENERATOR CAUSED A RELEASE OF FUEL THROUGH THE EXHAUST. SOME OF THE FUEL WENT TO THE WATER CREATING A SHEEN.
Type of Incident:	MOBILE
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2013-03-29 11:10:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 EAST BELT ST
Location Street 1:	Not reported
Location Street 2:	Not reported

(Continued) **2013042450**

Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1042450
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U

(Continued) **2013042450**

Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1042450
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported

(Continued) **2013042450**

Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CLEAN UP UNDERWAY.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	70
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported

(Continued) **2013042450**

State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: 10
Sheen Size Length Units: FEET
Sheen Size Width: 10
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Mobile Detail:
NRC Report #: 1042450
Vehicle Number: UNKNOWN
Trailer Number: Not reported
Vehicle Own Fuel Capacity: Not reported
Cargo Capacity: Not reported
Amount of Cargo on Board: Not reported
Hazmat Carrier: U
Carrier Licensed: U
Noncompliance With Hazmat: U
Mobile Type: OTHER
Cargo Capacity Units: Not reported
Amount of Cargo on Board Units: Not reported
Vehicle Year: Not reported
Vehicle Make: Not reported
Vehicle Model: Not reported

Calls:
NRC Report #: 1042450
Site ID: 20131042450
Date Time Received: 2013-03-29 14:32:41
Date Time Complete: 2013-03-29 14:38:41
Call Type: INC
Responsible Company: NCI INC
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: SAN DIEGO
Responsible State: CA
Responsible Zip: 92102
On Behalf: Not reported
Source: TELEPHONE

Material Involved:
NRC Report #: 1042450
Chris Code: ODS
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 5
Unit of Measure: GALLON(S)
Name of Material: OIL: DIESEL
If Reached Water: YES
Amount in Water: 16
Unit of Measure Reach Water: OUNCE(S)

A8 **ERNS** **2013053328**
Target Property **2205 EAST BELT STREET**
SAN DIEGO, CA 92113 **N/A**

Site 8 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1053328
Description of Incident:	CALLER STATED THAT THERE IS AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN THE SAN DIEGO BAY.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2013-07-10 08:50:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1053328
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U

(Continued) **2013053328**

Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

(Continued) **2013053328**

Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1053328
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	NATURALLY DISSIPATING.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	72
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported

(Continued) **2013053328**

Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	40
Sheen Size Length Units:	FEET
Sheen Size Width:	20
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1053328
Site ID:	20131053328
Date Time Received:	2013-07-10 12:07:55
Date Time Complete:	2013-07-10 12:10:39
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1053328
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A9
Target Property

BAE SYSTEMS SHIPYARD
2205 E BELT ST
SAN DIEGO, CA 92113

RCRA-LQG

1014915603
CAR000220400

Site 9 of 132 in cluster A

Actual:
18 ft.

RCRA-LQG:

Date form received by agency:	08/29/2011
Facility name:	BAE SYSTEMS SHIPYARD
Facility address:	2205 E BELT ST POSD PIER SAN DIEGO, CA 92113
EPA ID:	CAR000220400
Mailing address:	9500 GODWIN DR B 115 015 MANASSAS, VA 20110
Contact:	JOSEPH C ZALEWSKI
Contact address:	9500 GODWIN DR B 115 015 MANASSAS, VA 20110
Contact country:	US
Contact telephone:	703-367-6252
Contact email:	JOE.ZALEWSKI@LMCO.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	LOCKHEED MARTIN
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/27/2011
Owner/Op end date:	Not reported

Owner/operator name:	PORT OF SAN DIEGO
Owner/operator address:	3165 PACIFIC HWY SAN DIEGO, CA 92101
Owner/operator country:	US
Owner/operator telephone:	619-686-7283
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

BAE SYSTEMS SHIPYARD (Continued) **1014915603**

Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1963
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

BAE SYSTEMS SHIPYARD (Continued) **1014915603**

. Waste code: D008
. Waste name: LEAD

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 06/29/2011
Site name: BAE SYSTEMS SHIPYARD
Classification: Small Quantity Generator

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

BAE SYSTEMS SHIPYARD (Continued) **1014915603**

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

A10 **FRAZIER BOILER SERVICE** **CA HAZNET** **S112934610**
Target **2205 E BELT** **N/A**
Property **SAN DIEGO, CA 92113**

Site 10 of 132 in cluster A

Actual: **18 ft.**

HAZNET:

envid:	S112934610
Year:	2003
GEPAID:	CAC002572941
Contact:	ANDY MACIAS
Telephone:	6192330195
Mailing Name:	Not reported
Mailing Address:	1746 NEWTON AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92113
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	4.38
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

A11 **BAE SYSTEMS (NASSCO)** **RCRA-LQG** **1000434381**
Target **2205 E BELT STREET** **CAT000614933**
Property **SAN DIEGO, CA 92113**

Site 11 of 132 in cluster A

Actual:
18 ft.

RCRA-LQG:

Date form received by agency:	02/29/2008
Facility name:	BAE SYSTEMS (NASSCO)
Facility address:	2205 E BELT STREET SAN DIEGO, CA 92113
EPA ID:	CAT000614933
Mailing address:	P.O BOX 85278 MS 22A SAN DIEGO, CA 92186
Contact:	MICHAEL CHEE
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	619-544-7778
Contact email:	MCHEE@NASSCO.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SAN DIEGO UNIFIED PORT DISTRICT
Owner/operator address:	P.O. BOX 120488 SAN DIEGO, CA 92112
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	09/17/1965
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator

BAE SYSTEMS (NASSCO) (Continued) **1000434381**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CHEVRON USA INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/17/1979
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

BAE SYSTEMS (NASSCO) (Continued) **1000434381**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

Historical Generators:
Date form received by agency: 01/04/2007
Site name: BAE SYSTEMS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 09/01/1996
Site name: CHEVRON USA INC BUMBLE BEE SEAFOODS BP
Classification: Small Quantity Generator

Date form received by agency: 08/15/1980
Site name: CHEVRON USA INC BUMBLE BEE SEAFOODS BP
Classification: Large Quantity Generator

Violation Status: No violations found

A12 **BAE SYSTEMS SAN DIEGO SHIP REPAIR - YARD** **CA UST** **U004261945**
Target Property **2205 E BELT ST/FOOT OF SAMPSON ST** **N/A**
SAN DIEGO, CA 92113

Site 12 of 132 in cluster A

Actual: 18 ft.

UST:
Facility ID: 37-000-109689
Permitting Agency: San Diego County Department of Environmental Health
Latitude: Not reported
Longitude: Not reported

A13 **SWRMC @ BAE SYSTEMS** **CA San Diego Co. HMMD** **S113153735**
Target Property **2205 BELT ST** **CA CHMIRS** **N/A**
SAN DIEGO, CA 92113 **CA HAZNET**
CA NPDES

Site 13 of 132 in cluster A **CA CIWQS**

Actual: 18 ft.

HMMD SAN DIEGO:
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CA1170090616
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-556-1055
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 03/27/2018
Facility Owner: Not reported
Facility Mailing Address: 3755 Brinser St., STE 1 Code 106B, San Diego, CA 92136
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2007-HUPFP-208647
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-208647
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 4101081
Return To Compliance Date: 2015-04-27T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-03-27T01:38:51.000
Inspection Date: 2015-03-30T00:00:00.000
Violation Code: 3110012 RCRA:Failure to maintain a copy of the contingency plan and all revisions: 1) At the facility; and 2) Submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

services. 22 CCR 15 66265.53.

Waste and Materials:

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454033
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 281 ADHESIVES
Common Name:	ADHESIVES
Case Number:	Not reported

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454035
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name:	OTHER ORGANIC SOLIDS
Case Number:	Not reported

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454036
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 461 PAINT SLUDGE
Common Name:	PAINT SLUDGE
Case Number:	Not reported

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454037
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 791 LIQUIDS WITH PH <OR= 2
Common Name:	LIQUIDS W/PH < = 2
Case Number:	Not reported

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454038
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Common Name:	LIQUIDS W/PH C=2 W/METALS
Case Number:	Not reported

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454028
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Common Name:	OTHER INORGANIC SOLID WASTE
Case Number:	Not reported

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454029
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 213 HYDROCARBON SOLVENTS
Common Name:	HYDROCARBON SOLVENTS
Case Number:	Not reported

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454030
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Common Name:	UNSPECIFIED SOLVENT MIXTURE
Case Number:	Not reported

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454031
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE OIL AND MIXED OIL
Case Number:	Not reported

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454032
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name:	UNSPECIFIED OIL - CONTAINING WASTE
Case Number:	Not reported

Record ID:	DEH2007-HUPFP-208647
Permit Status:	Permit Renewed

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Active Permit:	Y
Child Record Id:	DEH2007-HWAST-454034
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-27T01:38:56.000
Chemical Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Common Name:	OFF-SPEC, AGED, OR SURPLUS ORGANICS
Case Number:	Not reported

CHMIRS:

OES Incident Number:	15-0416
OES notification:	01/22/2015
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
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:	Yes
Waterway:	SAN DIEGO BAY
Spill Site:	Ship/Harbor/Port
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1000
Year:	2015
Agency:	BAE SYSTEMS
Incident Date:	01/22/2015
Admin Agency:	San Diego County Health Services Department

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Amount:	Not reported
Contained:	Yes
Site Type:	SAN DIEGO BAY
E Date:	Not reported
Substance:	COMPENSATING WATER (2%OIL, 98% WATER)
Quantity Released:	25
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#1106330 "CALLER IS REPORTING A RELEASE OF BALLAST COMPENSATING WATER FROM A VESSELS FUEL TANK DUE TO THE PLUG BLOWING CAUSING THE MATERIAL TO RELEASE TO THE BAY. Sheen Size Length: 40 FEET Sheen Size Width: 30 FEET. REMEDIAL ACTIONS: AREA WAS PRE-BOOMED, SHIP DEPLOYED SORBENT PADS, SHEEN IS DISSIPATING."
OES Incident Number:	15-2437
OES notification:	05/01/2015
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
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

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Other
Cleanup By:	On-site personnel & Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	945
Year:	2015
Agency:	NRC
Incident Date:	05/01/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	No
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Condensate Water (with oil mixture)
Quantity Released:	2
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 #1115220, "Caller is reporting a 2 gallon discharge of condensate water from a turbo cooling fan to an air compressor, the cause was due to equipment failure." REMEDIAL ACTIONS: Dissipate naturally. Pads are being used on the shore-side. QTY RELEASED: 2 gallons QUANTITY IN WATER: 1 cup SHEEN COLOR: Rainbow SHEEN LENGTH: 20 feet SHEEN WIDTH: 10 feet

HAZNET:

envid:	S113153735
Year:	2009
GEPAID:	CAL000335766
Contact:	ROBERT LEE
Telephone:	6193364141
Mailing Name:	Not reported

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Mailing Address:	1313 BAY MARINA DR
Mailing City,St,Zip:	NATIONAL CITY, CA 919506303
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.175
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S113153735
Year:	2009
GEPAID:	CAL000335766
Contact:	ROBERT LEE
Telephone:	6193364141
Mailing Name:	Not reported
Mailing Address:	1313 BAY MARINA DR
Mailing City,St,Zip:	NATIONAL CITY, CA 919506303
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.198
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S113153735
Year:	2008
GEPAID:	CAL000335766
Contact:	ROBERT LEE
Telephone:	6193364141
Mailing Name:	Not reported
Mailing Address:	1313 BAY MARINA DR
Mailing City,St,Zip:	NATIONAL CITY, CA 919506303
Gen County:	Not reported
TSD EPA ID:	AZR000035915
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Solvents Recovery
Tons:	0.209
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S113153735
Year:	2008
GEPAID:	CAL000335766
Contact:	ROBERT LEE
Telephone:	6193364141
Mailing Name:	Not reported
Mailing Address:	1313 BAY MARINA DR
Mailing City,St,Zip:	NATIONAL CITY, CA 919506303

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 3.78
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113153735
Year: 2008
GEPAID: CAL000335766
Contact: ROBERT LEE
Telephone: 6193364141
Mailing Name: Not reported
Mailing Address: 1313 BAY MARINA DR
Mailing City,St,Zip: NATIONAL CITY, CA 919506303
Gen County: Not reported
TSD EPA ID: AZR000035915
TSD County: Not reported
Waste Category: Metal dust (Alkaline solution (pH >= 12.5) with metals) and machining waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.075
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

NPDES:
Facility Status: Terminated
NPDES Number: CAS000002
Region: 9
Agency Number: 0
Regulatory Measure ID: 448802
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 9 37C370655
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 08/22/2014
Termination Date Of Regulatory Measure: 04/28/2016
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: PO Box 13308
Discharge Name: BAE Systems Ship Repair
Discharge City: San Diego
Discharge State: California
Discharge Zip: 92170
Status: Not reported
Status Date: Not reported
Operator Name: Not reported

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

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:	9
Regulatory Measure ID:	448802
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C370655
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:	04/28/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/19/2014
Processed Date:	08/22/2014
Status:	Terminated
Status Date:	04/28/2016
Place Size:	1.7
Place Size Unit:	Acres
Contact:	Sandor Halvax
Contact Title:	Legally Responsible Person
Contact Phone:	619-557-4210
Contact Phone Ext:	Not reported
Contact Email:	sandor.halvax@baesystems.com
Operator Name:	BAE Systems Ship Repair
Operator Address:	PO Box 13308
Operator City:	San Diego
Operator State:	California
Operator Zip:	92170
Operator Contact:	Sandor Halvax
Operator Contact Title:	Legally Responsible Person
Operator Contact Phone:	619-557-4210
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sandor.halvax@baesystems.com
Operator Type:	Private Business
Developer:	BAE Systems Ship Repair
Developer Address:	PO Box 13308
Developer City:	San Diego
Developer State:	California
Developer Zip:	92170
Developer Contact:	Sandor Halvax
Developer Contact Title:	Legally Responsible Person
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Sediment Management
Constype Other Ind:	Y
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Sandor Halvax
Certifier Title:	Environmental Manager III
Certification Date:	19-AUG-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	448802
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C370655
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/22/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/28/2016
Discharge Name:	BAE Systems Ship Repair
Discharge Address:	PO Box 13308
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92170
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

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

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 Commertial 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

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:	9 37C370655
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

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

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:	04/28/2016
Operator Name:	BAE Systems Ship Repair
Operator Address:	PO Box 13308
Operator City:	San Diego
Operator State:	California
Operator Zip:	92170

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	448802
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C370655
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:	04/28/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	08/19/2014
Processed Date:	08/22/2014
Status:	Terminated
Status Date:	04/28/2016
Place Size:	1.7
Place Size Unit:	Acres
Contact:	Sandor Halvax
Contact Title:	Legally Responsible Person
Contact Phone:	619-557-4210
Contact Phone Ext:	Not reported
Contact Email:	sandor.halvax@baesystems.com
Operator Name:	BAE Systems Ship Repair
Operator Address:	PO Box 13308
Operator City:	San Diego
Operator State:	California
Operator Zip:	92170
Operator Contact:	Sandor Halvax
Operator Contact Title:	Legally Responsible Person
Operator Contact Phone:	619-557-4210
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sandor.halvax@baesystems.com
Operator Type:	Private Business
Developer:	BAE Systems Ship Repair
Developer Address:	PO Box 13308

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Developer City:	San Diego
Developer State:	California
Developer Zip:	92170
Developer Contact:	Sandor Halvax
Developer Contact Title:	Legally Responsible Person
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Sediment Management
Constype Other Ind:	Y
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Sandor Halvax
Certifier Title:	Environmental Manager III
Certification Date:	19-AUG-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	448802
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C370655
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/22/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/28/2016
Discharge Name:	BAE Systems Ship Repair
Discharge Address:	PO Box 13308
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92170
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

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 Commertial 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

Facility Status:	Active
NPDES Number:	CA0109151
Region:	9
Agency Number:	40631

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Regulatory Measure ID:	401444
Place ID:	257991
Order Number:	R9-2015-0034
WDID:	9 000000137
Regulatory Measure Type:	NPDES Permits
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	06/24/2015
Effective Date Of Regulatory Measure:	09/01/2015
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	08/31/2020
Discharge Address:	Po Box 13308
Discharge Name:	BAE Systems San Diego Ship Repair Inc
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92170-0308
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:	CA0109151
Status:	Historical
Agency Number:	40631
Region:	9
Regulatory Measure ID:	370013
Order Number:	R9-2009-0080
Regulatory Measure Type:	NPDES Permits
Place ID:	257991
WDID:	9 000000137
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	06/10/2009
Effective Date Of Regulatory Measure:	06/10/2009
Expiration Date Of Regulatory Measure:	06/10/2014
Termination Date Of Regulatory Measure:	08/31/2015
Discharge Name:	BAE Systems San Diego Ship Repair Inc
Discharge Address:	Po Box 13308
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92170-0308
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

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

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 Commertial 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
NPDES Number:	CA0109151
Status:	Active
Agency Number:	40631
Region:	9
Regulatory Measure ID:	401444
Order Number:	R9-2015-0034
Regulatory Measure Type:	NPDES Permits
Place ID:	257991
WDID:	9 000000137
Program Type:	NPDINDLRG
Adoption Date Of Regulatory Measure:	06/24/2015
Effective Date Of Regulatory Measure:	09/01/2015
Expiration Date Of Regulatory Measure:	08/31/2020
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	BAE Systems San Diego Ship Repair Inc

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Discharge Address:	Po Box 13308
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92170-0308
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 Commertial 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

SWRMC @ BAE SYSTEMS (Continued) **S113153735**

Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	BAE Systems Ship Repair
Agency Address:	PO Box 13308, San Diego, CA 92170
Place/Project Type:	Construction - Other: Sediment Management
SIC/NAICS:	Not reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C370655
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	08/22/2014
Termination Date:	04/28/2016
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:	32.69312
Longitude:	-117.14403

A14 **CA CHMIRS** **S109041559**
Target Property **FOOT OF SAMSON STREET AT 2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA

Site 14 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	6-0458
OES notification:	01/19/2006
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

(Continued) **S109041559**

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:	San Diego Bay
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:	NRC
Incident Date:	1/19/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Waterways
E Date:	Not reported
Substance:	Oil
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:	The caller is reporting an unknown sheen.

A15 **CA CHMIRS** **S114001336**
Target Property **2205 EAST BELT ST, PIER 4**
SAN DIEGO, CA 92113 **N/A**

Site 15 of 132 in cluster A

Actual:
18 ft.

CHMIRS:

OES Incident Number:	13-5234
OES notification:	08/23/2013
OES Date:	Not reported
OES Time:	Not reported

(Continued) **S114001336**

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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	800
Year:	2013
Agency:	BAE Systems
Incident Date:	8/23/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Sheen
Quantity Released:	5ft x 40ft
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

(Continued) **S114001336**

Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP states that a shore line excavation discovered a sheen from a deep layer of soil underwater. Caller states the on scene personnel deployed a boom, and curtain,and hydrophobic absorbent materials to remediate the release. San Diego Bay has been impacted. Caller states the excavation will be covered up with gravel and filtered cloth.
	Not reported

A16 **CA CHMIRS** **S111757670**
Target Property **2205 EAST BELT ST PIER 1** **N/A**
SAN DIEGO, CA 92113

Site 16 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	1-6220
OES notification:	10/18/2011
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported

(Continued) **S111757670**

Date/Time:	815
Year:	2011
Agency:	BAE Systems
Incident Date:	10/18/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Sheen
Quantity Released:	40' X 5'
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 an unknown sheen from an unknown source. Facility will be putting a small boat in the water to investigate. It appears to be unrecoverable. There are 4 navy vessels nearby. Small boat will be put in the water to investigate. Pads will be taken. Possibly unrecoverable.

A17 **CA CHMIRS** **S114001358**
Target Property **2205 EAST BELT STREET, THE DRY-DOCK IS LOCATED SOUTH OF PIER SAN DIEGO, CA 93113** **N/A**

Site 17 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	13-5264
OES notification:	08/24/2013
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

(Continued) **S114001358**

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:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	640
Year:	2013
Agency:	BAE Systems
Incident Date:	8/24/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Sheen
Quantity Released:	10’ x 80’ and 5’ x 10’ and some smaller ones
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:	At dry-dock, vessel USS Russel (USN) had a hole in the bottom of the ship, such that when it was lifted out of the water, released to the dry-dock and overflowed into the bay. The onboard storage tank that leaked had a capacity of 500 gallons but it is unknown how filled it was. Caller reports a "slight" petroleum odor associated with the sheen. The yard is boomed and pads are being

(Continued) **S114001358**

deployed to clean up the spill.

A18 **LOCKHEED MARTIN GLOBAL TRAINING & LOGISTICS** **FINDS** **1023308057**
Target **2205 BELT ST** **N/A**
Property **SAN DIEGO, CA 92113**

Site 18 of 132 in cluster A

Actual: **18 ft.**

FINDS:

Registry ID: 110066006672

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A19 **CA CHMIRS** **S113471881**
Target **2205 EAST BELT ST AT THE FOOT OF SAMPSON AT PIER 3 AT THE QU** **N/A**
Property **SAN DIEGO, CA 92113**

Site 19 of 132 in cluster A

Actual: **18 ft.**

CHMIRS:

OES Incident Number:	12-7677
OES notification:	12/17/2012
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:	Yes

(Continued) **S113471881**

Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	805
Year:	2012
Agency:	BAE Systems San Diego Ship Repair
Incident Date:	12/17/2012
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
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:	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 state there is a sewage release in the bay. Caller states the area is 100 Ft X 150 Ft, caller states there is also a rainbow sheen in part of the area which is approximately 6 Ft X 10 Ft. Caller states that the substance is coming from a sewage pipe under the peer. Caller states the pipe has been shut down for repairs. Caller states the rainbow sheen is dissipating and is non-recoverable.

A20 **CALIFORNIA MARINE CLEANING** **CA HAZNET** **S112966700**
Target **2205 BELT ST** **N/A**
Property **SAN DIEGO, CA 92113**

Site 20 of 132 in cluster A

Actual: **18 ft.**

HAZNET:

envid:	S112966700
Year:	2007
GEPAID:	CAC002624892
Contact:	KRISTEN SOSA
Telephone:	6192318788
Mailing Name:	Not reported

CALIFORNIA MARINE CLEANING (Continued) **S112966700**

Mailing Address:	PO BOX 13653
Mailing City,St,Zip:	SAN DIEGO, CA 921703653
Gen County:	Not reported
TSD EPA ID:	CA7170090016
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	13.44
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

A21 **CA CHMIRS** **S116778629**
Target **2205 E. BELT ST.** **N/A**
Property **SAN DIEGO, CA 92113**

Site 21 of 132 in cluster A

Actual: **18 ft.**

CHMIRS:

OES Incident Number:	4-2110
OES notification:	04/10/2014
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported

(Continued) **S116778629**

Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	1315
Year:	2014
Agency:	BAE Systems, San Diego Ship Repair
Incident Date:	4/10/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unk. Oil
Quantity Released:	30 X 30
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Contaminated soil
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:	Other
Fatals:	No
Comments:	Not reported
Description:	Caller is reporting a rainbow sheen believed to be coming from contaminated (Legacy) soil site that is now involved in construction. The sheen is evaporating.

A22 **CA CHMIRS** **S118465437**
Target Property **2205 EAST BELT DRIVE** **N/A**
SAN DIEGO, CA

Site 22 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	15-6496
OES notification:	11/03/2015
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
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

(Continued) **S118465437**

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:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	N/A
Other:	Not reported
Date/Time:	855
Year:	2015
Agency:	NRC
Incident Date:	11/03/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Oil, Unknown
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 #1132457, "The caller is reporting an unknown sheen in the San Diego Bay, source is unknown." REMEDIAL ACTIONS: Booms surrounding the vessel where the sheen was spotted, material contained within the boom. SHEEN COLOR: Rainbow

(Continued) **S118465437**

SHEEN LENGTH: 120' SHEEN WIDTH: 5' WATER INFORMATION: San Diego Bay

---

A23 **CA CHMIRS** **S105665564**
Target Property **2205 E. BELT ST. (SOUTH WEST MARINE)** **N/A**
SAN DIEGO, CA 92113

Site 23 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	0-4305
OES notification:	09/22/2000
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	South West Marine
Incident Date:	9/22/200012:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Oil

(Continued) **S105665564**

Gallons:	unk
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 oil is coming from the USS Denver. The area is boomed off, 50ft x 400ft

---

A24 **ERNS** **2011992918**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 24 of 132 in cluster A

Actual: **18 ft.**

Incident Commons:

NRC Report #:	992918
Description of Incident:	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE. FACILITY WILL BE PUTTING A SMALL BOAT IN THE WATER TO INVESTIGATE. IT APPEARS TO BE UNRECOVERABLE. THERE ARE 4 NAVY VESSELS NEARBY.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2011-10-18 08:15:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	PIER 1
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

(Continued) **2011992918**

Incidents:

NRC Report #:	992918
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	1
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U

(Continued) **2011992918**

Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	992918
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported

(Continued) **2011992918**

Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	SMALL BOAT WILL BE PUT IN THE WATER TO INVESTIGATE. PADS WILL BE TAKEN. POSSIBLY UNRECOVERABLE.
State Agency on Scene:	NONE
State Agency Report Number:	NONE
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	62
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	SILVERY
Direction of Sheen Travel:	S
Sheen Odor Description:	Not reported
Wave Condition:	0 CALM
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	THE 4 NAVY VESSELS MOORED AT PIER 1 ALL HAVE BOOM AROUND THEM.
State Agency Notified:	NONE
Federal Agency Notified:	NONE
nearest River Mile Marker:	Not reported
Sheen Size Length:	40
Sheen Size Length Units:	FEET
Sheen Size Width:	5
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	992918
Site ID:	2011992918
Date Time Received:	2011-10-18 13:32:57
Date Time Complete:	2011-10-18 13:38:00

(Continued) **2011992918**

Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	992918
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A25 **ERNS** **2011981159**
Target Property **2205 E BELT ST.** **N/A**
SAN DIEGO, CA

Site 25 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	981159
Description of Incident:	RECIEVED A CALL FROM BAE SYSTEMS, CALLER STATED THERE WAS AN APPROXIMATE 45FT WHITE SHEEN NORTH OF PIER 1 ON THEIR FACILITY.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2011-06-29 06:50:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN
Loaction Address:	2205 E BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported

(Continued) **2011981159**

Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	981159
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	U
Pipeline Covered:	N
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	Not reported
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	1
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported

(Continued) **2011981159**

Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	981159
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N

(Continued) **2011981159**

Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	Not reported
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	NONE
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	Not reported
Air Temperature:	64
Wind Speed:	0
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	WHITISH
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	MPH
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	****WEB REPORT****
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	45
Sheen Size Length Units:	FEET
Sheen Size Width:	45
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	981159
Site ID:	2011981159
Date Time Received:	2011-06-29 09:59:37

(Continued) **2011981159**

Date Time Complete:	2011-06-29 10:15:47
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	WEB REPORT

Material Involved:

NRC Report #:	981159
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN WHITE SUBSTANCE
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A26 **ERNS** **2011966904**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 26 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	966904
Description of Incident:	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2011-02-08 13:40:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT SOUTH OF PIER 3
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported

(Continued) **2011966904**

Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	966904
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	3
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported

(Continued) **2011966904**

Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	966904
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N

(Continued) **2011966904**

Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	/ SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CURRENTLY DEPLOYING RESOURCES TO ATTEMPT TO RECOVER MATERIAL.
State Agency on Scene:	NONE
State Agency Report Number:	NONE
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	CALLER WILL WILL NOTIFY CA EMA, FISH AND GAME AND COAST GUARD.
State Agency Notified:	NONE
Federal Agency Notified:	NONE
nearest River Mile Marker:	Not reported
Sheen Size Length:	20
Sheen Size Length Units:	FEET
Sheen Size Width:	5
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	966904
Site ID:	2011966904
Date Time Received:	2011-02-08 17:07:16

(Continued) **2011966904**

Date Time Complete:	2011-02-08 17:10:39
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	966904
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A27 **ERNS** **2014072037**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 27 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1072037
Description of Incident:	CALLER IS REPORTING AN UNKNOWN SHEEN.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2014-01-24 14:00:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported

(Continued) **2014072037**

Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1072037
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported

(Continued) **2014072037**

Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1072037
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N

(Continued) **2014072037**

Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	BOOMS APPLIED
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	60
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	UNKNOWN SHEEN
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	20
Sheen Size Length Units:	FEET
Sheen Size Width:	20
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1072037
Site ID:	20141072037
Date Time Received:	2014-01-24 17:13:49

(Continued) **2014072037**

Date Time Complete:	2014-01-24 17:16:36
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1072037
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A28 **BAE SYSTEMS SAN DIEGO SHIP REPAIR - YARD** **CA AST** **A100417443**
Target **2205 E BELT ST/FOOT OF SAMPSON ST** **N/A**
Property **SAN DIEGO, CA 92113**

Site 28 of 132 in cluster A

Actual: **18 ft.**

AST:

Certified Unified Program Agencies:	Not reported
Owner:	BAE Systems San Diego Ship Repair
Total Gallons:	Not reported
CERSID:	10152845
Facility ID:	37-000-109689
Business Name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR
Phone:	(619) 238-1000
Fax:	(619) 516-8369
Mailing Address:	P O BOX 13308
Mailing Address City:	SAN DIEGO
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	BAE SYSTEMS San Diego Ship Repair
Operator Phone:	(619) 238-1000
Owner Phone:	(619) 238-1000
Owner Mail Address:	P O BOX 13308
Owner State:	CA
Owner Zip Code:	92170
Owner Country:	United States
Property Owner Name:	San Diego Unified Port District
Property Owner Phone:	Not reported
Property Owner Mailing Address:	3165 Pacific Highway
Property Owner City:	SAN DIEGO
Property Owner Stat :	CA
Property Owner Zip Code:	92101
Property Owner Country:	United States
EPAID:	CAD981172554

A29 **ERNS** **2013062811**
Target Property **2205 E. BELT ST.**
SAN DIEGO, CA 92113 **N/A**

Site 29 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1062811
Description of Incident:	CALLER STATED A SMALL BOAT SANK WHILE TRYING TO INSTALL AN OIL BOOM AROUND A SHIP. THIS OCCURRED WHEN A WAVE CAME BY AND CAPSIZED THE BOAT.
Type of Incident:	VESSEL
Incident Cause:	VESSEL SINKING
Incident Date Time:	2013-10-12 09:15:00
Incident DTG:	OCCURRED
Incident Location:	BAE SYSTEMS FACILITY
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1062811
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported

(Continued) **2013062811**

DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported

(Continued) **2013062811**

Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1062811
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	Not reported
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	BOAT WAS REMOVED FROM THE WATER, 1ST SHEEN WAS NON RECOVERABLE AND 2ND SHEEN IS CURRENTLY BURNING OFF.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	70
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported

(Continued) **2013062811**

Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	2ND SHEEN: 20X2 FEET, CAL EMA WILL BE NOTIFIED NEXT.
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	20
Sheen Size Length Units:	FEET
Sheen Size Width:	2
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1062811
Site ID:	20131062811
Date Time Received:	2013-10-12 12:48:50
Date Time Complete:	2013-10-12 12:56:03
Call Type:	INC
Responsible Company:	ACTION CLEANINGS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20131062811
Vessel Name:	WORK SKIFF
Vessel Type:	OTHER
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported

(Continued) **2013062811**

Is Vessel Aground:	N
Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1062811
Chris Code:	GAS
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	GASOLINE: AUTOMOTIVE (UNLEADED)
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A30 **SOUTHWEST MARINE** **CA HAZNET** **S113170661**
Target **2205 E BELT FOOT OF SAMPSON ST** **N/A**
Property **SAN DIEGO, CA 92170**

Site 30 of 132 in cluster A

Actual: **18 ft.**

HAZNET:

envid:	S113170661
Year:	2000
GEPAID:	CAP000068353
Contact:	SOUTHWEST MARINE
Telephone:	Not reported
Mailing Name:	Not reported
Mailing Address:	P O BOX 85278 M S 22 A
Mailing City,St,Zip:	SAN DIEGO, CA 921865278
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Recycler
Tons:	16.68
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S113170661
Year:	2000
GEPAID:	CAP000068353
Contact:	SOUTHWEST MARINE
Telephone:	Not reported
Mailing Name:	Not reported
Mailing Address:	P O BOX 85278 M S 22 A
Mailing City,St,Zip:	SAN DIEGO, CA 921865278
Gen County:	Not reported
TSD EPA ID:	CAD980675276

SOUTHWEST MARINE (Continued) **S113170661**

TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 15.17
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113170661
Year: 2000
GEPAID: CAP000068353
Contact: SOUTHWEST MARINE
Telephone: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 85278 M S 22 A
Mailing City,St,Zip: SAN DIEGO, CA 921865278
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113170661
Year: 2000
GEPAID: CAP000068353
Contact: SOUTHWEST MARINE
Telephone: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 85278 M S 22 A
Mailing City,St,Zip: SAN DIEGO, CA 921865278
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: 0
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113170661
Year: 2000
GEPAID: CAP000068353
Contact: SOUTHWEST MARINE
Telephone: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 85278 M S 22 A
Mailing City,St,Zip: SAN DIEGO, CA 921865278
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station

SOUTHWEST MARINE (Continued) **S113170661**

Tons: 0.15
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

A31 **ERNS 2015118507**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 31 of 132 in cluster A

Actual: 18 ft.

Incident Commons:
NRC Report #: 1118507
Description of Incident: CALLER IS REPORTING A RELEASE OF HYDROLIC OIL FROM A VESSEL IN THEIR PORT. VESSEL LEAKED AN UNKNOWN AMOUNT OF HYDROLIC OIL DUE TO MECHANIAL FAILURE. RESPONSIBLE PARTY TOWED VESSEL BACK TO THEIR PORT WHICH IS LOCATED NEXT DOOR TO REPORTING PARTY.
Type of Incident: VESSEL
Incident Cause: EQUIPMENT FAILURE
Incident Date Time: 2015-06-03 08:45:00
Incident DTG: DISCOVERED
Incident Location: Not reported
Loaction Address: 2205 EAST BELT STREET
Location Street 1: PEIR 4
Location Street 2: Not reported
Location Nearest City: SAN DIEGO
Location State: CA
Location County: SAN DIEGO
Location Zip: 92113
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:
NRC Report #: 1118507
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported

(Continued) **2015118507**

Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported

(Continued) **2015118507**

CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1118507
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIAGO BAY
Body of Water:	Not reported
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	BOOMS APPLIED, DISSIPATE NATURALLY, MATERIAL SPILLED INTO SECOND CONTAINMENT

(Continued) **2015118507**

State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	65
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1118507
Site ID:	20151118507
Date Time Received:	2015-06-03 12:23:10
Date Time Complete:	2015-06-03 12:30:47
Call Type:	INC
Responsible Company:	RE STATE
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	CA
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

(Continued) **2015118507**

Vessels Detail:

Site ID:	20151118507
Vessel Name:	M/V JOHN DRAKE
Vessel Type:	PLEASURE CRAFT
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	UNITED STATES OF AMERICA
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1118507
Chris Code:	OHY
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	HYDRAULIC OIL
If Reached Water:	NO
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A32 **CA CHMIRS** **S118465404**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA

Site 32 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	15-6463
OES notification:	11/01/2015
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
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

(Continued) **S118465404**

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:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1500
Year:	2015
Agency:	BAE Systems
Incident Date:	11/01/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Hydraulic Fluid
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:	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:	A discharge of hydraulic fluid due to a pump that was left on malfunctioned. The pump overheated and a gasket/seal blew out. The release has been contained within an oil boom. The impact is San Diego Bay.

A33 **CA CHMIRS** **S116778345**
Target Property **BAE, 2205 EAST BELT STREET**
SAN DIEGO, CA 92113 **N/A**

Site 33 of 132 in cluster A

Actual:
18 ft.

CHMIRS:

OES Incident Number:	4-1801
OES notification:	03/26/2014
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:	Ship/Harbor/Port
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1030
Year:	2014
Agency:	BAE Systems San Diego Ship Repair
Incident Date:	3/26/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Marine Diesel Fuel
Quantity Released:	40-50

(Continued) **S116778345**

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:	Human Error
Fatals:	No
Comments:	Not reported
Description:	A tanker truck was off-loading diesel from the vessel, when it overflowed to the nearby asphalt. Caller advises there was no release to any nearby storm drains or the Bay.

A34 **ERNS** **2012006086**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA

Site 34 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1006086
Description of Incident:	CALLER STATED AN UNKNOWN SHEEN WAS DISCOVERED IN SAN DIEGO BAY NEAR THEIR FACILITY.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2012-03-18 07:00:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	SAN DIEGO BAY
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

(Continued) **2012006086**

Incidents:

NRC Report #:	1006086
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U

(Continued) **2012006086**

Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1006086
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported

(Continued) **2012006086**

Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CALLER STATED THE TANK CLEANERS ARE GETING TOGETHER TO FORM A PLAN OF ACTION.
State Agency on Scene:	NONE
State Agency Report Number:	NONE
Other Agency Notified:	Not reported
Weather Conditions:	RAINY
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	DIESEL
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	NO ADDITIONAL INFORMATION.
State Agency Notified:	NONE
Federal Agency Notified:	NONE
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1006086
Site ID:	20121006086
Date Time Received:	2012-03-18 10:37:09
Date Time Complete:	2012-03-18 10:42:03

(Continued) **2012006086**

Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1006086
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A35 **CA CHMIRS** **S113999290**
Target Property **BAE SYSTEMS SAN DIEGO SHIP REPAIR, 2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 35 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	13-2573
OES notification:	04/30/2013
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

(Continued) **S113999290**

Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	910
Year:	2013
Agency:	BAE Systems
Incident Date:	4/30/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Sheen
Quantity Released:	25' x 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 sheen that potentially is coming from an old dock which has been gone for a period of time, but during new construction dredging the sheen was discovered. Absorbent pads and primary and secondary booms have been deployed to secure the release (within the primary boom).

A36 **BAE SYSTEMS** **CA AST** **A100345537**
Target **2205 E BELT ST/FOOT OF SAMPSON ST** **N/A**
Property **SAN DIEGO, CA**

Site 36 of 132 in cluster A

Actual: **18 ft.**

AST:

Certified Unified Program Agencies:	San Diego
Owner:	BAE SYSTEMS
Total Gallons:	9900
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported

BAE SYSTEMS (Continued) **A100345537**

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

A37 **CHEVRON USA INC BUMBLE BEE SEAFOODS BP** **CA HAZNET** **S113804201**
Target **2205 EAST BELT** **N/A**
Property **SAN DIEGO, CA 92113**

Site 37 of 132 in cluster A

Actual:
18 ft.

HAZNET:

envid:	S113804201
Year:	2012
GEPAID:	CAT000614933
Contact:	INACTIVATED UNDELIVERABLE MAIL
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	PO BOX X1017
Mailing City,St,Zip:	SAN DIEGO, CA 921120000
Gen County:	San Diego
TSD EPA ID:	CA7170090016
TSD County:	San Diego
Waste Category:	Not reported
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	1.251
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

A38 **ERNS** **2015132130**
Target **2205 E. BELT ST.** **N/A**
Property **SAN DIEGO, CA 92113**

Site 38 of 132 in cluster A

Actual:
18 ft.

Incident Commons:

NRC Report #:	1132130
Description of Incident:	CALLER IS REPORTING THE LARGE WAKE OF A USS VESSEL BEING TOWED THROUGH THE AREA CAUSED THE OUTBOARD MOTOR OF A SMALL PONTOON VESSEL TO FALL OFF OF THE VESSEL INTO THE WATER AND THE DEPTHS BELOW DISCHARGING ITS CONTENTS. OUTBOARD MOTOR ONLY, NO FUEL TANKS.
Type of Incident:	VESSEL
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2015-10-30 11:45:00
Incident DTG:	OCCURRED
Incident Location:	FACILITY WATERFRONT
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1132130
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U

(Continued) **2015132130**

Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported

(Continued) **2015132130**

Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1132130
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	DIVERS DISPATCHED INTO THE WATER TO RECOVER THE BOAT MOTOR. SHEEN IS NATURALLY DISSIPATING.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	80
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW

(Continued) **2015132130**

Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	3 MODERATE (3 - 5 FT)
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	5
Sheen Size Length Units:	FEET
Sheen Size Width:	15
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1132130
Site ID:	20151132130
Date Time Received:	2015-10-30 15:04:35
Date Time Complete:	2015-10-30 15:15:29
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20151132130
Vessel Name:	UNKNOWN
Vessel Type:	OTHER
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported

(Continued) **2015132130**

Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1132130
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	1
Unit of Measure:	GALLON(S)
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	1
Unit of Measure Reach Water:	GALLON(S)

A39 **ERNS** **2015106167**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 39 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1106167
Description of Incident:	MOTOR OIL DISCHARGED FROM A VESSEL DUE TO EXCESS WATER BEHIND THE ENGINE.
Type of Incident:	VESSEL
Incident Cause:	OTHER
Incident Date Time:	2015-01-20 08:00:00
Incident DTG:	OCCURRED
Incident Location:	AT PIER 4
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported

(Continued) **2015106167**

Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1106167
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	4
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported

(Continued) **2015106167**

Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1106167
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N

(Continued) **2015106167**

Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	ABSORBENTS & BOOMS WERE APPLIED.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	Not reported
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	EMERGENCY MANAGEMENT AGENCY (EMA) WILL BE NOTIFIED.
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1106167
Site ID:	20151106167

(Continued) **2015106167**

Date Time Received: 2015-01-20 16:55:10
Date Time Complete: 2015-01-20 16:58:52
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: UNKNOWN
Responsible City: Not reported
Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:
Site ID: 20151106167
Vessel Name: UNKNOWN
Vessel Type: OTHER
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: Not reported
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:
NRC Report #: 1106167
Chris Code: OMT
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 1
Unit of Measure: CUP(S)
Name of Material: OIL, MISC: MOTOR
If Reached Water: YES
Amount in Water: 1
Unit of Measure Reach Water: CUP(S)

A40 **CA CHMIRS** **S105671189**
Target Property **SOUTHWEST MARINE, 2205 E BELT ST** **N/A**
SAN DIEGO, CA

Site 40 of 132 in cluster A

Actual: 18 ft.

CHMIRS:
OES Incident Number: 1-6044
OES notification: 10/20/2001
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported

(Continued) **S105671189**

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:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	US NAVY
Incident Date:	10/20/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Diesel oil
Gallons:	20
Unknown:	0.000000
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

(Continued) **S105671189**

Fatals:	Not reported
Comments:	Not reported
Description:	A transfer hose developed a leak.

A41 **CMH ENVIRONMENTAL GROUP** **CA CHMIRS** **S112918386**
Target **2205 E BELT** **CA HAZNET** **N/A**
Property **SAN DIEGO, CA 92113**

Site 41 of 132 in cluster A

Actual: **18 ft.**

CHMIRS:

OES Incident Number:	4-0456
OES notification:	01/24/2014
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:	Yes
Waterway:	San Diego
Spill Site:	Waterways
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Rainbow colored
Date/Time:	1400
Year:	2014
Agency:	BAE Systems
Incident Date:	1/24/2014
Admin Agency:	Not reported
Amount:	Not reported

CMH ENVIRONMENTAL GROUP (Continued) **S112918386**

Contained:	Yes
Site Type:	San Diego
E Date:	Not reported
Substance:	Unknown Sheen
Quantity Released:	20ft x 20ft
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:	Unknown
Fatals:	No
Comments:	Not reported
Description:	RP states that an unknown sheen was discovered in the water from an unknown source. Caller states that a boom was already deployed when it was discovered by the RP and the sheen is dissipating. San Diego Bay has been impacted.
OES Incident Number:	15-0367
OES notification:	01/20/2015
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
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:	Yes

CMH ENVIRONMENTAL GROUP (Continued) **S112918386**

Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Cup(s)
Other:	Not reported
Date/Time:	800
Year:	2015
Agency:	BAE Systems
Incident Date:	01/20/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Motor Oil
Quantity Released:	1
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 motor oil discharged from a vessel due to excess water behind the engine. Rainbow sheen 10 ft x 3 ft. Absorbents and booms were applies. Cleanup has been completed.
OES Incident Number:	15-2549
OES notification:	05/06/2015
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
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

CMH ENVIRONMENTAL GROUP (Continued) **S112918386**

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:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	2200
Year:	2015
Agency:	BAE Systems
Incident Date:	05/06/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Oil - Unknown Type
Quantity Released:	30’ x 50’
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 dredging operations a 55 gallon drum was dislodged causing the release, material caused a sheen on the water, dredging operator handled the

CMH ENVIRONMENTAL GROUP (Continued) **S112918386**

containment by immediately capturing the drum, booms had already been in place before the release, unknown who is performing clean up.

OES Incident Number:	4-6392
OES notification:	11/10/2014
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:	Yes
Waterway:	SAN DIEGO BAY
Spill Site:	Waterways
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	700
Year:	2014
Agency:	BAE SYSTEMS
Incident Date:	11/10/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	SAN DIEGO BAY
E Date:	Not reported
Substance:	UNKNOWN SHEEN
Quantity Released:	20 FEET x 15 FEET
Unknown:	Not reported

CMH ENVIRONMENTAL GROUP (Continued) **S112918386**

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:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Per NRC#1100642 "CALLER STATED THAT THEY DISCOVERED AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN THE WATER." The caller stated that the release is not recoverable and it is dissipating naturally. Caller estimates that the release is less than 0.5 gal.
OES Incident Number:	13-6370
OES notification:	10/12/2013
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported

CMH ENVIRONMENTAL GROUP (Continued) **S112918386**

Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	915
Year:	2013
Agency:	BAE Systems
Incident Date:	10/12/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	2X20
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 stated a small boat sank while trying to install an oil boom around a ship. This occurred when a wave came by and capsized the boat. Boat was removed from the water, 1st sheen was non recoverable and 2nd sheen is currently burning off.
OES Incident Number:	4-7293
OES notification:	12/19/2014
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

CMH ENVIRONMENTAL GROUP (Continued) **S112918386**

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:	San Diego bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	600
Year:	2014
Agency:	California Marine Cleaning
Incident Date:	12/19/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego bay
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	0.5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Boat Capsized
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:	Other
Fatals:	No
Comments:	Not reported
Description:	RP states that a vessel capsized while being moved in the pier and discharged .5 gallon of gasoline into San Diego Bay. RP states that they have placed absorbent in the water. Cleanup and righting the vessel is in progress.

HAZNET:

envid:	S112918386
Year:	2001

CMH ENVIRONMENTAL GROUP (Continued) **S112918386**

GEPAID:	CAC002423687
Contact:	CARL HULICK
Telephone:	7144474345
Mailing Name:	Not reported
Mailing Address:	2501 E CHAPMAN AVE STE 100
Mailing City,St,Zip:	FULLERTON, CA 928310000
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0.05
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

A42 **ERNS 2015132457**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 42 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1132457
Description of Incident:	THE CALLER IS REPORTING AN UNKNOWN SHEEN IN THE SAN DIEGO BAY, SOURCE IS UNKNOWN.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2015-11-03 08:55:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1132457
Aircraft Type:	Not reported
Aircraft Model:	Not reported

(Continued) **2015132457**

Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U

(Continued) **2015132457**

Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1132457
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	/SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY

(Continued) **2015132457**

Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	BOOMS SURROUNDING THE VESSEL WHERE THE SHEEN WAS SPOTTED, MATERIAL CONTAINED WITHIN THE BOOM.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	**CALLER WILL NOTIFY OES NEXT.
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	120
Sheen Size Length Units:	FEET
Sheen Size Width:	5
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1132457
Site ID:	20151132457
Date Time Received:	2015-11-03 12:33:06
Date Time Complete:	2015-11-03 12:36:43
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported

(Continued) **2015132457**

Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Material Involved:
NRC Report #: 1132457
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: UNKNOWN OIL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

A43 **ERNS 2013059017**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 43 of 132 in cluster A

Actual: 18 ft.

Incident Commons:
NRC Report #: 1059017
Description of Incident: CALLER STATED THAT A COMPRESSOR WAS LEAKING HYDRAULIC OIL INTO A DUCT DRAIN THAT ALLOWED A APPROXIMATELY 4 OUNCES OF OF HYDRAULIC OIL TO BE RELEASED INTO SAN DIEGO BAY.
Type of Incident: FIXED
Incident Cause: EQUIPMENT FAILURE
Incident Date Time: 2013-09-03 08:18:00
Incident DTG: OCCURRED
Incident Location: Not reported
Loaction Address: 2205 E. BELT ST.
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SAN DIEGO
Location State: CA
Location County: SAN DIEGO
Location Zip: 92113
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

(Continued) **2013059017**

Incidents:

NRC Report #:	1059017
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	SHIP YARD
Type of Fixed Object:	OTHER
Power Generating Facility:	N
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U

(Continued) **2013059017**

Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1059017
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported

(Continued) **2013059017**

Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	SHEEN IS UNRECOVERABLE AND IS DISSIPATING. ABSORBENT MATERIAL IS BEING APPLIED AROUND THE DRAIN. THE DRAIN WILL BE PERMANENTLY SEELED OFF.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	75
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1059017
Site ID:	20131059017
Date Time Received:	2013-09-03 11:42:20
Date Time Complete:	2013-09-03 11:47:20

(Continued) **2013059017**

Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1059017
Chris Code:	OHY
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	4
Unit of Measure:	OUNCE(S)
Name of Material:	HYDRAULIC OIL
If Reached Water:	YES
Amount in Water:	4
Unit of Measure Reach Water:	OUNCE(S)

A44 **CA CHMIRS** **S111759388**
Target Property **2205 BELT STREET, SAN DIEGO HARBOR AT THE FOOT OF SAMPSON ST SAN DIEGO, CA** **N/A**

Site 44 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	12-0725
OES notification:	02/06/2012
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

(Continued) **S111759388**

Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Sheen dissipating naturally.
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	1246
Year:	2012
Agency:	BAE Systems
Incident Date:	2/6/2012
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil, Rainbow Color
Quantity Released:	200 ft by 50 ft
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 states they discovered an unknown sheen from an unknown source at San Diego Harbor.

A45 **CA CHMIRS** **S110977913**
Target Property **2205 EAST BELT STREET, FOOT OF SAMSON STREET, BAE SHIPYARD, SAN DIEGO, CA 92113** **N/A**

Site 45 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	10-0938
OES notification:	02/05/2010
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

(Continued) **S110977913**

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:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1700
Year:	2010
Agency:	Epsilon Systems Solutions
Incident Date:	2/4/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Refrigerant (R404A)
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 states a mechanical failure on a condensing unit on a walk-in freezer resulted in the release of substance within the facility, then out to the atmosphere. An unknown amount of

(Continued) **S110977913**

people were evacuated due to this release but the area has now been deemed safe for people to re-enter. The service valves have been shut off to prevent further release and repairs will be made today or tomorrow.

A46 **ERNS 2015115220**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 46 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1115220
Description of Incident:	CALLER IS REPORTING A 2 GALLON DISCHARGE OF CONDENSATE WATER FROM A TURBO COOLING FAN TO AN AIR COMPRESSOR, THE CAUSE WAS DUE TO EQUIPMENT FAILURE.
Type of Incident:	FIXED
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2015-05-01 09:45:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1115220
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported

(Continued) **2015115220**

Building ID:	Not reported
Type of Fixed Object:	PORT FACILITY
Power Generating Facility:	N
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported

(Continued) **2015115220**

Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1115220
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	DISSIPATE NATURALLY, PADS ARE BEING USED ON THE SHORE SIDE
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR

(Continued) **2015115220**

Air Temperature:	70
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	CONDENSATE
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	20
Sheen Size Length Units:	FEET
Sheen Size Width:	10
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1115220
Site ID:	20151115220
Date Time Received:	2015-05-01 12:58:56
Date Time Complete:	2015-05-01 13:05:13
Call Type:	INC
Responsible Company:	NCI NAVAL COATINGS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1115220
Chris Code:	OTH
Case Number:	000000-00-0

(Continued) **2015115220**

UN Number:	Not reported
Amount of Material:	2
Unit of Measure:	GALLON(S)
Name of Material:	CONDENSATE
If Reached Water:	YES
Amount in Water:	1
Unit of Measure Reach Water:	CUP(S)

A47 **CA CHMIRS** **S113472539**
Target Property **2205 EAST BELT STREET, BAE SYSTEMS SHIPYARD - PIER 3** **N/A**
SAN DIEGO, CA 92113

Site 47 of 132 in cluster A

Actual: **18 ft.**

CHMIRS:

OES Incident Number:	13-0455
OES notification:	01/22/2013
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	1312
Year:	2013
Agency:	BAE Systems San Diego Ship Repair
Incident Date:	1/22/2013

(Continued) **S113472539**

Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil, Rainbow Colored
Quantity Released:	200 ft by 30 ft
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 an unknown sheen from an unknown source.

A48 **ERNS 2009919957**
Target Property **2205 EAST BELT** **N/A**
SAN DIEGO, CA

Site 48 of 132 in cluster A

Actual: **18 ft.**

Incident Commons:

NRC Report #:	919957
Description of Incident:	CALLER IS REPORTING THAT A TANK ABOARD THE USS CHAMPION WAS GOING TO BE INSPECTED; A SUB-CONTRACTOR POURED CHLORINE BEACH DOWN THE DRAIN FIRST TO CLEAN IT OUT. SOME OF THE MATERIAL CAME OUT OF A GRAY WATER OVERBOARD DISCHARGE AND INTO THE SAN DIEGO BAY.
Type of Incident:	VESSEL
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2009-10-07 08:50:00
Incident DTG:	OCCURRED
Incident Location:	BAE SHIPYARD
Loaction Address:	2205 EAST BELT
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported

(Continued) **2009919957**

Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	919957
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported

(Continued) **2009919957**

State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	919957
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N

(Continued) **2009919957**

Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	MATERIAL DISSIPATED
State Agency on Scene:	NONE
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	CALLER WILL NOTIFY CA OES, COAST GUARD.
State Agency Notified:	NONE
Federal Agency Notified:	NONE
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

(Continued) **2009919957**

Calls:

NRC Report #:	919957
Site ID:	2009919957
Date Time Received:	2009-10-07 15:57:15
Date Time Complete:	2009-10-07 16:09:33
Call Type:	INC
Responsible Company:	CAL MARINE
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	Not reported
Responsible State:	CA
Responsible Zip:	Not reported
On Behalf:	N
Source:	TELEPHONE

Vessels Detail:

Site ID:	2009919957
Vessel Name:	USS CHAMPION
Vessel Type:	MILITARY
Vessel Number:	4
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	UNITED STATES OF AMERICA
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	919957
Chris Code:	SHC
Case Number:	007681-52-9
UN Number:	Not reported
Amount of Material:	1
Unit of Measure:	GALLON(S)
Name of Material:	SODIUM HYPOCHLORITE
If Reached Water:	YES
Amount in Water:	1
Unit of Measure Reach Water:	GALLON(S)

A49 **LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS** **RCRA-SQG** **1018155155**
Target **2205 E BELT ST** **CAR000255448**
Property **SAN DIEGO, CA 92113**

Site 49 of 132 in cluster A

Actual:
18 ft.

RCRA-SQG:

Date form received by agency:	08/12/2015
Facility name:	LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS
Facility address:	2205 E BELT ST SAN DIEGO, CA 92113
EPA ID:	CAR000255448
Mailing address:	30TH ST STE A SAN DIEGO, CA 92154
Contact:	DEENA M NORDECK
Contact address:	30TH ST STE A SAN DIEGO, CA 92154
Contact country:	US
Contact telephone:	619-205-0235
Contact email:	DEENA.M.NORDECK@LMCO.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	DEENA M NORDECK
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	08/01/2015
Owner/Op end date:	Not reported

Owner/operator name:	BAE SYSTEMS
Owner/operator address:	E BELT ST SAN DIEGO, CA 92113
Owner/operator country:	US
Owner/operator telephone:	619-557-4210
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	09/17/1979
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS (Continued) **1018155155**

Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: 121
. Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 281
. Waste name: Adhesives

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D018
. Waste name: BENZENE

. Waste code: F002
. Waste name: 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

LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS (Continued) **1018155155**

OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

A50 **ERNS 2014100642**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 50 of 132 in cluster A

Actual: **18 ft.**

Incident Commons:
NRC Report #: 1100642
Description of Incident: CALLER STATED THAT THEY DISCOVERED AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN THE WATER.
Type of Incident: UNKNOWN SHEEN
Incident Cause: UNKNOWN
Incident Date Time: 2014-11-10 07:00:00
Incident DTG: DISCOVERED
Incident Location: UNKNOWN SHEEN INCIDENT
Loaction Address: 2205 E. BELT ST.
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SAN DIEGO
Location State: CA
Location County: SAN DIEGO
Location Zip: 92113
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported

(Continued) **2014100642**

Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1100642
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported

(Continued) **2014100642**

Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1100642
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported

(Continued) **2014100642**

Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	/ SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	Not reported
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	65
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	GRAYISH
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	20
Sheen Size Length Units:	FEET
Sheen Size Width:	15
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

(Continued) **2014100642**

Calls:

NRC Report #:	1100642
Site ID:	20141100642
Date Time Received:	2014-11-10 10:24:03
Date Time Complete:	2014-11-10 10:25:53
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1100642
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A51 **NATIONAL STEEL AND SHIP BUILDING COMPANY BAE SYSTE** **CA HAZNET** **S123079609**
Target **2205 BELT ST BLDG 13** **N/A**
Property **SAN DIEGO, CA 92113**

Site 51 of 132 in cluster A

Actual: **18 ft.**

HAZNET:

envid:	S123079609
Year:	2017
GEPAID:	CAR000223297
Contact:	SARA GIOBBI
Telephone:	6195448764
Mailing Name:	Not reported
Mailing Address:	PO BOX 85278 MS 22A
Mailing City,St,Zip:	SAN DIEGO, CA 921865287
Gen County:	San Diego
TSD EPA ID:	TND000772186
TSD County:	99
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.35
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

envid:	S123079609
Year:	2017
GEPAID:	CAR000223297

NATIONAL STEEL AND SHIP BUILDING COMPANY BAE SYSTE (Continued) **S123079609**

Contact:	SARA GIOBBI
Telephone:	6195448764
Mailing Name:	Not reported
Mailing Address:	PO BOX 85278 MS 22A
Mailing City,St,Zip:	SAN DIEGO, CA 921865287
Gen County:	San Diego
TSD EPA ID:	TND000772186
TSD County:	99
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.35
Cat Decode:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego

A52 **CA CHMIRS** **S118999990**
Target Property **2205 EAST BELT STREET, VESSEL DB VALKYRIE** **N/A**
SAN DIEGO, CA 92113

Site 52 of 132 in cluster A

Actual: **18 ft.**

CHMIRS:

OES Incident Number:	16-4677
OES notification:	08/01/2016
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Responsible Party
Containment:	Not reported

(Continued) **S118999990**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Qt.(s)
Other:	Not reported
Date/Time:	1420
Year:	2016
Agency:	NRC
Incident Date:	08/01/2016
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Oil- Hydraulic
Quantity Released:	1
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:	Event occurred on a vessel. A hydraulic hose on the vibratory hammer failed, causing the release. The material went into the San Diego Bay. The RP states the suspected responsible party performed the containment and clean up.

A53 **AUSTAL USA PSA** **ECHO** **1024152769**
Target **2205 E BELT ST- FOOT OF SAMPSON ST** **N/A**
Property **SAN DIEGO, CA 92113**

Site 53 of 132 in cluster A

Actual: **18 ft.**

ECHO:

Envid:	1024152769
Registry ID:	110070260450
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070260450

A54 **BAE SYSTEMS SAN DIEGO SHIP REPAIR** **FINDS** **1023383403**
Target **2205 E BELT ST/FOOT OF SAMPSON ST** **N/A**
Property **SAN DIEGO, CA 92113**

Site 54 of 132 in cluster A

Actual: **18 ft.**

FINDS:

Registry ID: 110066822433

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A55 **ERNS** **2015133924**
Target **2205 E. BELT ST.** **N/A**
Property **SAN DIEGO, CA 92113**

Site 55 of 132 in cluster A

Actual: **18 ft.**

Incident Commons:

NRC Report #:	1133924
Description of Incident:	CALLER STATED THAT A WORKER WAS DOING MAINTENANCE ON A COMP WATER VALVE PIPE SYSTEM ON BOARD THE VESSEL. WHEN THE SYSTEM WAS CHARGED APPROXIMATELY 16 OUNCES DISCHARGED ONTO THE DECK OF THE SHIP AND 1 OUNCE INTO THE BAY CAUSING A SHEEN.
Type of Incident:	VESSEL
Incident Cause:	UNKNOWN
Incident Date Time:	2015-11-20 08:40:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1133924
Aircraft Type:	Not reported

(Continued) **2015133924**

Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	4 NORTH
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U

(Continued) **2015133924**

Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1133924
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY

(Continued) **2015133924**

Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	DECK SPILL CLEANED UP, WATER DISCHARGE WILL DISSIPATE NATURALLY
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	65
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	LIGHT BROWN
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	0 CALM
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	70
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	3
Sheen Size Length Units:	FEET
Sheen Size Width:	1
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1133924
Site ID:	20151133924
Date Time Received:	2015-11-20 12:10:06
Date Time Complete:	2015-11-20 12:19:00
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO

(Continued) **2015133924**

Responsible State: CA
Responsible Zip: 92113
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:
Site ID: 20151133924
Vessel Name: USS BUNKER HILL
Vessel Type: MILITARY
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: Not reported
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:
NRC Report #: 1133924
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 17
Unit of Measure: OUNCE(S)
Name of Material: UNKNOWN OIL (FUEL MIXED WITH SALT WATER)
If Reached Water: YES
Amount in Water: 1
Unit of Measure Reach Water: OUNCE(S)

A56 **CA CHMIRS** **S110418874**
Target Property **2205 EAST BELT ST., BRITISH AEROSPACE ENGINEERING SHIP YARD** **N/A**
SAN DIEGO, CA 92113

Site 56 of 132 in cluster A

Actual: 18 ft.

CHMIRS:
OES Incident Number: 08-1771
OES notification: 03/03/2008
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

(Continued) **S110418874**

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:	Pacific Ocean/San Diego Bay
Spill Site:	Ship/Harbor/Port,Waterways
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	0841
Year:	2008
Agency:	USCG, USS Kidd
Incident Date:	3/3/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	No
Site Type:	Pacific Ocean/San Diego Bay
E Date:	Not reported
Substance:	Sheen
Quantity Released:	200 sq fee
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:	Rp has noticed a rainbow colored sheen that is approximately 200 square feet covering the water around the pier and several ships docked at the pier. There is a tug boat that just pulled into

(Continued) **S110418874**

the pier, unknown if it is stirring some unknown substance up from the bottom of the water, but the sheen appears to be bubbling up from some unknown source.

A57 **CA CHMIRS** **S118999222**
Target Property **2205 EAST BELT STREET, BAE SYSTEMS PIER 1 NORTH SAN DIEGO, CA** **N/A**

Site 57 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	16-3566
OES notification:	06/13/2016
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Qt.(s)
Other:	Not reported
Date/Time:	1110
Year:	2016
Agency:	NRC
Incident Date:	06/13/2016
Admin Agency:	San Diego County Health Services Department

(Continued) **S118999222**

Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	0.5
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 #1150528, "Caller is reporting that a hose ruptured releasing 1/2 a quart of hydraulic oil into the waterway." SHEEN LENGTH: 10' SHEEN WIDTH: 2' REMEDIAL ACTIONS: Absorbent boom was in place around the area prior to the release, boom will s

---

A58 **ERNS 2015132300**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 58 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1132300
Description of Incident:	THE CALLER IS REPORTING A DISCHARGE OF HYDRAULIC FLUID DUE TO A PUMP THAT WAS LEFT ON MALFUNCTIONED. THE CALLER STATED THAT THE PUMP OVERHEATED AND A GASKET/SEAL BLEW OUT. THE IMPACT IS SAN DIEGO BAY.
Type of Incident:	VESSEL
Incident Cause:	OTHER
Incident Date Time:	2015-11-01 15:00:00
Incident DTG:	DISCOVERED
Incident Location:	Not reported
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported

(Continued) **2015132300**

Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1132300
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported

(Continued) **2015132300**

OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1132300
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported

(Continued) **2015132300**

Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	/SAN DIEGO HARBOR
Body of Water:	SAN DIEGO HARBOR
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CREWS ENROUTE TO DETERMINE IF THE MATERIAL IS RECOVERABLE, MATERIAL CONTAINED WITHIN BOOM.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	70
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	40
Sheen Size Length Units:	FEET
Sheen Size Width:	15
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported

(Continued) **2015132300**

Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:
NRC Report #: 1132300
Site ID: 20151132300
Date Time Received: 2015-11-01 18:46:31
Date Time Complete: 2015-11-01 18:52:20
Call Type: INC
Responsible Company: SURFACE TECHNOLOGIES CORP.
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: SAN DIEGO
Responsible State: CA
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:
Site ID: 20151132300
Vessel Name: USS SAN DIEGO
Vessel Type: MILITARY
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: Not reported
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:
NRC Report #: 1132300
Chris Code: OHY
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 6
Unit of Measure: GALLON(S)
Name of Material: HYDRAULIC OIL
If Reached Water: YES
Amount in Water: 6
Unit of Measure Reach Water: GALLON(S)

A59 **CA CHMIRS** **S110980784**
Target Property **PIER 3, 2205 EAST BELT STREET, SAN DIEGO HARBOR** **N/A**
SAN DIEGO, CA 92113

Site 59 of 132 in cluster A

Actual:
18 ft.

CHMIRS:

OES Incident Number:	10-4561
OES notification:	07/30/2010
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:	Yes
Waterway:	San Diego Harbor
Spill Site:	Ship/Harbor/Port
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1400
Year:	2010
Agency:	US Navy
Incident Date:	7/30/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Harbor
E Date:	Not reported
Substance:	Haze Gray Paint
Quantity Released:	0.25
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

(Continued) **S110980784**

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 states a ship company painting outside of the ship knocked over a paint pan into the water. Clean up was completed using a spill kit and there is no longer a sheen in the water.

A60 **USNS NAVAJO T-ATF169** **CA HAZNET** **S112975877**
Target **2205 E BELT ST** **N/A**
Property **SAN DIEGO, CA 92113**

Site 60 of 132 in cluster A

Actual: **18 ft.**

HAZNET:

envid:	S112975877
Year:	2009
GEPAID:	CAC002639202
Contact:	ALAN LA ROSA
Telephone:	6192330195
Mailing Name:	Not reported
Mailing Address:	1746 NEWTON AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92113
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S112975877
Year:	2009
GEPAID:	CAC002639202
Contact:	ALAN LA ROSA
Telephone:	6192330195
Mailing Name:	Not reported
Mailing Address:	1746 NEWTON AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92113
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

USNS NAVAJO T-ATF169 (Continued) **S112975877**

Tons:	0.525
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego
envid:	S112975877
Year:	2009
GEPAID:	CAC002639202
Contact:	ALAN LA ROSA
Telephone:	6192330195
Mailing Name:	Not reported
Mailing Address:	1746 NEWTON AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92113
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	10.008
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego
envid:	S112975877
Year:	2009
GEPAID:	CAC002639202
Contact:	ALAN LA ROSA
Telephone:	6192330195
Mailing Name:	Not reported
Mailing Address:	1746 NEWTON AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92113
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Paint sludge
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.4587
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego
envid:	S112975877
Year:	2009
GEPAID:	CAC002639202
Contact:	ALAN LA ROSA
Telephone:	6192330195
Mailing Name:	Not reported
Mailing Address:	1746 NEWTON AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92113
Gen County:	Not reported
TSD EPA ID:	CA7170090016
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	27.939

USNS NAVAJO T-ATF169 (Continued) **S112975877**

Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

A61 **ERNS 2015115705**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 61 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1115705
Description of Incident:	WHILE DREDGING IN THE AREA, THE BUCKET PICKED UP A 55 GALLON MYSTERY DRUM. RESULTING IN A DISCHARGE/LEAK OF AN UNKNOWN PETROLEUM BASED SUBSTANCE INTO SAN DIEGO BAY.
Type of Incident:	STORAGE TANK
Incident Cause:	OTHER
Incident Date Time:	2015-05-06 22:00:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1115705
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported

(Continued) **2015115705**

Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	UNKNOWN
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	55
Capacity of Tank Units:	GALLON(S)
Actual Amount:	0
Actual Amount Units:	UNKNOWN AMOUNT
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported

(Continued) **2015115705**

FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1115705
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	/ SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	PENDING...
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported

(Continued) **2015115705**

Weather Conditions:	OVERCAST
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	UNKNOWN
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	* WEATHER: 50% CHANCE OF RAIN* THE CALLER WILL NOTIFY CA-OES.
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	50
Sheen Size Length Units:	FEET
Sheen Size Width:	30
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1115705
Site ID:	20151115705
Date Time Received:	2015-05-07 01:12:53
Date Time Complete:	2015-05-07 01:22:55
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1115705
Chris Code:	OUN

(Continued) **2015115705**

Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A62 **ERNS** **2013045577**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 62 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1045577
Description of Incident:	CALLER STATED DURING DREDGING OPERATIONS AN OLD WOODEN PIER THAT CONTAINED CREOSOTE WAS BEING REMOVED WHICH CAUSED A SHEEN ON THE WATER.
Type of Incident:	FIXED
Incident Cause:	OTHER
Incident Date Time:	2013-04-30 09:10:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1045577
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported

(Continued) **2013045577**

Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	OTHER
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported

(Continued) **2013045577**

CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1045577
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	WILL PLACE PADS ON THE WATER TO RECOVER SHEEN.

(Continued) **2013045577**

State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	60
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	BLUEISH
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	20
Sheen Size Length Units:	FEET
Sheen Size Width:	10
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1045577
Site ID:	20131045577
Date Time Received:	2013-04-30 12:28:21
Date Time Complete:	2013-04-30 12:34:08
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

(Continued) **2013045577**

Material Involved:

NRC Report #:	1045577
Chris Code:	CCW
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	CREOSOTE
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A63 **CA CHMIRS** **S110418875**
Target Property **2205 EAST BELT STREET, PIER 3 NORTH, BAE SYSTEMS - SAN DIEGO** **N/A**
SAN DIEGO, CA 92113

Site 63 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	08-3994
OES notification:	06/04/2008
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:	Yes
Waterway:	Deck Drain, runs to San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Qt.(s)

(Continued) **S110418875**

Other:	Not reported
Date/Time:	1415
Year:	2008
Agency:	BAE Systems - San Diego Ship Repair
Incident Date:	6/4/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Deck Drain, runs to San Diego Bay
E Date:	Not reported
Substance:	Diesel
Quantity Released:	1
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:	Caller states one of their sub contractors was in the process of removing one of their fueling station valves for maintenance when some residue of the substance was released to a deck drain. In addition, the work was being done onboard USS Bunker Hill. Booms have been placed by another sub contractor and substance is dissipating quickly.

A64 **ERNS** **2013059290**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 64 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1059290
Description of Incident:	CALLER STATED WATER FROM A FIRE HOSE MIXED WITH AN OILY GREASY SUBSTANCE WAS DISCHARGED OVERBOARD FROM THE USS MILIUS. THIS OCCURRED WHEN THE HOSE WAS BEING DISCONNECTED FROM THE VESSEL.
Type of Incident:	VESSEL
Incident Cause:	OTHER
Incident Date Time:	2013-09-05 09:45:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA

(Continued) **2013059290**

Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1059290
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported

(Continued) **2013059290**

Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1059290
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N

(Continued) **2013059290**

Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	MATERIAL IN THE WATER DISSIPATED NATURALLY.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	75
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	SHEEN WAS SIGHTLY RAINBOW IN COLOR.
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported

(Continued) **2013059290**

nearest River Mile Marker:	Not reported
Sheen Size Length:	1
Sheen Size Length Units:	FEET
Sheen Size Width:	10
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1059290
Site ID:	20131059290
Date Time Received:	2013-09-05 13:07:45
Date Time Complete:	2013-09-05 13:14:27
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20131059290
Vessel Name:	USS MILIUS
Vessel Type:	MILITARY
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	UNITED STATES OF AMERICA
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1059290
Chris Code:	NCC
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0.5
Unit of Measure:	GALLON(S)
Name of Material:	FIRE WATER MIXTURE WITH OILY SUBSTANCE
If Reached Water:	YES
Amount in Water:	0.5
Unit of Measure Reach Water:	GALLON(S)

A65 **ERNS** **2018222117**
Target Property **2205 EAST BELT ST** **N/A**
SAN DIEGO, CA

Site 65 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1222117
Description of Incident:	THE CALLER IS REPORTING A SHEEN THAT CAME FROM A NAVY VESSEL THAT IS UNDERGOING MAINTENANCE AT THE FACILITY.
Type of Incident:	VESSEL
Incident Cause:	UNKNOWN
Incident Date Time:	2018-08-20 08:55:00
Incident DTG:	DISCOVERED
Incident Location:	NORTH PIER 4
Loaction Address:	2205 EAST BELT ST
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1222117
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U

(Continued) **2018222117**

Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

(Continued) **2018222117**

Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1222117
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	THE CALLER STATES THAT BOOM SURROUNDS THE VESSEL WHILE UNDERGOING MAINTENANCE AND AN INVESTIGATION TO THE CAUSE OF THE DISCHARGE IS ONGOING.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	75
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported

(Continued) **2018222117**

Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	40
Sheen Size Length Units:	FEET
Sheen Size Width:	5
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1222117
Site ID:	20181222117
Date Time Received:	2018-08-20 12:34:33
Date Time Complete:	2018-08-20 12:40:52
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20181222117
Vessel Name:	USS PRINCETON
Vessel Type:	MILITARY
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported

(Continued) **2018222117**

Is Vessel Aground:	N
Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1222117
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	1
Unit of Measure:	GALLON(S)
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	1
Unit of Measure Reach Water:	GALLON(S)

A66 **ERNS 2013060412**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 66 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1060412
Description of Incident:	CALLER STATED THERE WAS A SPILL OF HYDRAULIC OIL DUE TO A COMPRESSOR INSIDE OF THE BUILDING THAT IS LEAKING OIL. THE OIL WENT INTO A CRACK IN THE CONCRETE AND A FEW DROPS MADE IT TO THE SAN DIEGO BAY.
Type of Incident:	FIXED
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2013-09-17 06:30:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 E. BELT ST.
Location Street 1:	SAN DIEGO BAY
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported

(Continued) **2013060412**

Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1060412
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	PORT FACILITY
Power Generating Facility:	N
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported

(Continued) **2013060412**

Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1060412
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N

(Continued) **2013060412**

Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CALLER STATED ABSORBENTS APPLIED, DISSIPATE NATURALLY, PLASTIC WILL BE PLACED UNDER THE WHARF AS WELL.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	UNKNOWN
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1060412

(Continued) **2013060412**

Site ID:	20131060412
Date Time Received:	2013-09-17 10:41:39
Date Time Complete:	2013-09-17 10:47:56
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1060412
Chris Code:	OHY
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	3
Unit of Measure:	DROP(S)
Name of Material:	HYDRAULIC OIL
If Reached Water:	YES
Amount in Water:	3
Unit of Measure Reach Water:	DROP(S)

A67 **BAE SYSTEMS SHIPYARD** **CA HAZNET** **S113179141**
Target **2205 E BELT ST POSD PIER** **N/A**
Property **SAN DIEGO, CA 92113**

Site 67 of 132 in cluster A

Actual: **18 ft.**

HAZNET:

envid:	S113179141
Year:	2015
GEPAID:	CAR000220400
Contact:	JOSEPH C ZALEWSKI
Telephone:	7033676252
Mailing Name:	Not reported
Mailing Address:	10325 MEANLEY DRIVE
Mailing City,St,Zip:	SAN DIEGO, CA 921310000
Gen County:	San Diego
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Unspecified solvent mixture
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.175
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S113179141
Year:	2015
GEPAID:	CAR000220400
Contact:	JOSEPH C ZALEWSKI
Telephone:	7033676252
Mailing Name:	Not reported
Mailing Address:	10325 MEANLEY DRIVE

BAE SYSTEMS SHIPYARD (Continued) **S113179141**

Mailing City,St,Zip: SAN DIEGO, CA 921310000
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.33
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113179141
Year: 2015
GEPAID: CAR000220400
Contact: JOSEPH C ZALEWSKI
Telephone: 7033676252
Mailing Name: Not reported
Mailing Address: 10325 MEANLEY DRIVE
Mailing City,St,Zip: SAN DIEGO, CA 921310000
Gen County: San Diego
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0225
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113179141
Year: 2014
GEPAID: CAR000220400
Contact: JOSEPH C ZALEWSKI
Telephone: 7033676252
Mailing Name: Not reported
Mailing Address: 10325 MEANLEY DRIVE
Mailing City,St,Zip: SAN DIEGO, CA 921310000
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: Not reported
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113179141
Year: 2014
GEPAID: CAR000220400
Contact: JOSEPH C ZALEWSKI
Telephone: 7033676252
Mailing Name: Not reported
Mailing Address: 10325 MEANLEY DRIVE
Mailing City,St,Zip: SAN DIEGO, CA 921310000
Gen County: San Diego

BAE SYSTEMS SHIPYARD (Continued) **S113179141**

TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Unspecified solvent mixture
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.05
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
14 additional CA_HAZNET: record(s) in the EDR Site Report.

A68 Target Property **NATIONAL STEEL AND SHIP BUILDING COMPANY BAE SYSTE** **RCRA-LQG** **1014922546**
2205 E BELT STREET BLDG 13 **CAR000223297**
SAN DIEGO, CA 92113

Site 68 of 132 in cluster A

Actual: 18 ft.

RCRA-LQG:
Date form received by agency: 01/09/2012
Facility name: NATIONAL STEEL AND SHIP BUILDING COMPANY BAE SYSTEMS
Facility address: 2205 E BELT STREET BLDG 13
SAN DIEGO, CA 92113
EPA ID: CAR000223297
Mailing address: PO BOX 85278
MS 22A
SAN DIEGO, CA 92186-5278
Contact: MICHAEL CHEE
Contact address: PO BOX 85278 MS 22A
SAN DIEGO, CA 92186-5278
Contact country: US
Contact telephone: 619-544-7778
Contact email: MCHEE@NASSCO.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: BAE SYSTEMS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

NATIONAL STEEL AND SHIP BUILDING COMPANY BAE SYSTEMS (Continued) **1014922546**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/30/2007
Owner/Op end date: Not reported

Owner/operator name: UNIFIED PORT OF SAN DIEGO
Owner/operator address: 3165 PACIFIC HIGHWAY
SAN DIEGO, CA 92101
Owner/operator country: US
Owner/operator telephone: 619-686-6200
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 12/18/1962
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

. Waste code: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

NATIONAL STEEL AND SHIP BUILDING COMPANY BAE SYSTEMS (Continued) **1014922546**

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS

NATIONAL STEEL AND SHIP BUILDING COMPANY BAE SYSTEMS (Continued) **1014922546**

CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

Violation Status: No violations found

A69 **ERNS 2010949440**
Target Property **2205 E. BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 69 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	949440
Description of Incident:	CALLER STATED LESS THAN A QUARTER GALLON OF PAINT SPILLED INTO THE WATER AT THE PIER SIDE DUE TO OPERATOR ERROR.
Type of Incident:	VESSEL
Incident Cause:	OPERATOR ERROR
Incident Date Time:	2010-07-30 14:00:00
Incident DTG:	OCCURRED
Incident Location:	PIER SIDE
Loaction Address:	2205 E. BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	949440
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported

(Continued) **2010949440**

Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported

(Continued) **2010949440**

Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	949440
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO HARBOR
Body of Water:	SAN DIEGO HARBOR
Tributary of:	PACIFIC OCEAN
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	SPILL WAS CLEANED UP AND REMAINING MATERIAL DISSIPATED IN THE WATER.
State Agency on Scene:	NONE
State Agency Report Number:	NONE
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR

(Continued) **2010949440**

Air Temperature:	65
Wind Speed:	9
Wind Direction:	W
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	GRAYISH
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	MPH
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	CALLER HAD NO FURTHER INFORMATION.
State Agency Notified:	LOCAL AUTHORITIES
Federal Agency Notified:	NONE
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	949440
Site ID:	2010949440
Date Time Received:	2010-07-30 18:18:48
Date Time Complete:	2010-07-30 18:26:24
Call Type:	INC
Responsible Company:	US NAVY
Responsible Org Type:	MILITARY
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	2010949440
Vessel Name:	USS ANTIETAM
Vessel Type:	MILITARY

(Continued) **2010949440**

Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	UNITED STATES OF AMERICA
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	949440
Chris Code:	NCC
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0.25
Unit of Measure:	GALLON(S)
Name of Material:	PAINT
If Reached Water:	YES
Amount in Water:	0.25
Unit of Measure Reach Water:	GALLON(S)

A70 **ERNS 2014098954**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 70 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1098954
Description of Incident:	CALLER REPORTED AN UNKNOWN SHEEN COMING FROM AN UNKNOWN SOURCE.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2014-10-21 17:40:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported

(Continued) **2014098954**

Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1098954
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported

(Continued) **2014098954**

OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1098954
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported

(Continued) **2014098954**

Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY/IN THE BOOM OF THE USS PRINCETON
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	NONE
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	25
Sheen Size Length Units:	FEET
Sheen Size Width:	8
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported

(Continued) **2014098954**

Passengers Transferred: NO

Calls:
NRC Report #: 1098954
Site ID: 20141098954
Date Time Received: 2014-10-21 21:17:56
Date Time Complete: 2014-10-21 21:19:46
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: UNKNOWN
Responsible City: Not reported
Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Material Involved:
NRC Report #: 1098954
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: UNKNOWN OIL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

A71 **LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS** **RCRA-SQG** **1008402385**
Target **2205 E BELT ST** **ICIS** **CAR000164632**
Property **SAN DIEGO, CA 92113** **FINDS**
ECHO

Site 71 of 132 in cluster A

Actual: **18 ft.**

RCRA-SQG:
Date form received by agency: 07/15/2005
Facility name: PACIFIC SHIP REPAIR AND FABRICATION BAE
Facility address: 2205 E BELT ST
PIER 1
SAN DIEGO, CA 92113
EPA ID: CAR000164632
Mailing address: 1625 RIGEL ST
SAN DIEGO, CA 92113
Contact: LISA L SIPES
Contact address: 1625 RIGEL ST
SAN DIEGO, CA 92113
Contact country: US
Contact telephone: 619-232-3200
Telephone ext.: 155
Contact email: LSIPES@PACSHIP.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS (Continued) **1008402385**

hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: PORT OF SAN DIEGO
Owner/operator address: PO BOX 488
SAN DIEGO, CA 92112
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1965
Owner/Op end date: Not reported

Owner/operator name: PACIFIC SHIP REPAIR AND FABRICATION
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/13/2005
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D005

LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS (Continued) **1008402385**

. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

Violation Status: No violations found

ICIS:
Enforcement Action ID: CA-N00003909
FRS ID: 110002943450
Action Name: SOUTHWEST MARINE SHIPYARD (Permit CA0109151) Letter Of Violation/Warning Letter
Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: Letter of Violation/ Warning Letter
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: LOVWL
Facility SIC Code: 3731
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.691389
Longitude in Decimal Degrees: -117.145
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0109151
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-N00003908
FRS ID: 110002943450
Action Name: SOUTHWEST MARINE SHIPYARD (Permit CA0109151) Letter Of Violation/Warning Letter
Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: Letter of Violation/ Warning Letter
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal

LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS (Continued) **1008402385**

EA Type Code:	LOVWL
Facility SIC Code:	3731
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.691389
Longitude in Decimal Degrees:	-117.145
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0109151
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	CA-N00003408
FRS ID:	110002943450
Action Name:	SOUTHWEST MARINE SHIPYARD (Permit CA0109151) Viol. Notice To Regultd Entity
Facility Name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address:	2205 E BELT ST SAN DIEGO, CA 92113
Enforcement Action Type:	Notice of Violation
Facility County:	SAN DIEGO
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	3731
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.691389
Longitude in Decimal Degrees:	-117.145
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0109151
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	CA-N00003407
FRS ID:	110002943450
Action Name:	SOUTHWEST MARINE SHIPYARD (Permit CA0109151) Letter Of Violation/Warning Letter
Facility Name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address:	2205 E BELT ST SAN DIEGO, CA 92113
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	SAN DIEGO
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	3731
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.691389
Longitude in Decimal Degrees:	-117.145
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0109151
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	CA-N00003406
FRS ID:	110002943450
Action Name:	SOUTHWEST MARINE SHIPYARD (Permit CA0109151) Letter Of Violation/Warning Letter
Facility Name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.

LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS (Continued) **1008402385**

Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: Letter of Violation/ Warning Letter
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: LOVWL
Facility SIC Code: 3731
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.691389
Longitude in Decimal Degrees: -117.145
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0109151
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-N00003405
FRS ID: 110002943450
Action Name: SOUTHWEST MARINE SHIPYARD (Permit CA0109151) Letter Of Violation/Warning Letter
Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: Letter of Violation/ Warning Letter
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: LOVWL
Facility SIC Code: 3731
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.691389
Longitude in Decimal Degrees: -117.145
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0109151
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-N00003404
FRS ID: 110002943450
Action Name: SOUTHWEST MARINE SHIPYARD (Permit CA0109151) Letter Of Violation/Warning Letter
Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: Letter of Violation/ Warning Letter
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: LOVWL
Facility SIC Code: 3731
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.691389
Longitude in Decimal Degrees: -117.145
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0109151
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS (Continued) **1008402385**

Enforcement Action ID: CA-N00003403
FRS ID: 110002943450
Action Name: SOUTHWEST MARINE SHIPYARD (Permit CA0109151) Cwa Penalty Ao
Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: State CWA Penalty AO
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAPO
Facility SIC Code: 3731
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.691389
Longitude in Decimal Degrees: -117.145
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0109151
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-N00002402
FRS ID: 110002943450
Action Name: SOUTHWEST MARINE SHIPYARD (Permit CA0109151) Viol. Notice To Regultd Entity
Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3731
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.691389
Longitude in Decimal Degrees: -117.145
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0109151
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-2013-1111
FRS ID: 110002943450
Action Name: BAE San Diego Ship Repair - EPL
Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: State CWA Penalty AO
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCWAAPO
Facility SIC Code: 3731
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.691389
Longitude in Decimal Degrees: -117.145
Permit Type Desc: NPDES Individual Permit

LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS (Continued) **1008402385**

Program System Acronym: CA0109151
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-200135549
FRS ID: 110002943450
Action Name: BAE Systems San Diego Ship Repair - SEL
Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: Letter to Regulated Entity
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: LRE
Facility SIC Code: 3731
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.691389
Longitude in Decimal Degrees: -117.145
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0109151
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-200128882
FRS ID: 110002943450
Action Name: BAE Systems San Diego Ship Repair - SEL
Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: Letter to Regulated Entity
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: LRE
Facility SIC Code: 3731
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.691389
Longitude in Decimal Degrees: -117.145
Permit Type Desc: NPDES Individual Permit
Program System Acronym: CA0109151
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: CA-200128848
FRS ID: 110002943450
Action Name: BAE Systems San Diego Ship Repair - SEL
Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address: 2205 E BELT ST
SAN DIEGO, CA 92113
Enforcement Action Type: Letter to Regulated Entity
Facility County: SAN DIEGO
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: LRE
Facility SIC Code: 3731
Federal Facility ID: Not reported

LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS (Continued) **1008402385**

Latitude in Decimal Degrees:	32.691389
Longitude in Decimal Degrees:	-117.145
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0109151
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	CA-200114915
FRS ID:	110002943450
Action Name:	BAE Systems San Diego Ship Repair - SEL
Facility Name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility Address:	2205 E BELT ST SAN DIEGO, CA 92113
Enforcement Action Type:	Letter to Regulated Entity
Facility County:	SAN DIEGO
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LRE
Facility SIC Code:	3731
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.691389
Longitude in Decimal Degrees:	-117.145
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	CA0109151
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

FINDS:

Registry ID: 110066953808

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.

Registry ID: 110002943450

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.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

LOCKHEED MARTIN MISSILES AND FIRE CONTROL ISEAFS (Continued) **1008402385**

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.

RISK AND TECHNOLOGY REVIEW

HAZARDOUS WASTE BIENNIAL REPORTER

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:	1008402385
Registry ID:	110066953808
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110066953808
Envid:	1008402385
Registry ID:	110002943450
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002943450

A72 **SWRMC @ BAE SYSTEMS** **FINDS** **1023305192**
Target Property **2205 BELT ST** **N/A**
SAN DIEGO, CA 92113

Site 72 of 132 in cluster A

Actual: 18 ft.

FINDS:

Registry ID: 110065976153

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A73 **CA CHMIRS** **S113998509**
Target Property **2205 EAST BELT STREET, PIER 4**
SAN DIEGO, CA 92113 **N/A**

Site 73 of 132 in cluster A

Actual:
18 ft.

CHMIRS:

OES Incident Number:	13-1532
OES notification:	03/13/2013
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	OSRO
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	640
Year:	2013
Agency:	BAE Systems
Incident Date:	3/13/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Sheen
Quantity Released:	10’ x 30’
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

(Continued) **S113998509**

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 sheen coming from a construction project on the shoreline. Cause unknown. Booms have been applied to control the sheen. Caller states it may be legacy pollution unearthed by the current construction.

A74 **LOCKHEED MARTIN INFORMATION SYSTEMS & GLOBAL SERVI** **CA San Diego Co. HMMD** **S113155116**
Target **2205 BELT ST** **CA HAZNET** **N/A**
Property **SAN DIEGO, CA 92113**

Site 74 of 132 in cluster A

Actual:
18 ft.

HMMD SAN DIEGO:

Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000421788
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	(619) 210-1129
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	01/16/2018
Facility Owner:	Not reported
Facility Mailing Address:	1545 Crossways Blvd. Suite A, Chesapeake, VA 23320
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Waste and Materials:

Record ID:	DEH2017-HUPFP-003481
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0159737
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-01-16T17:10:43.000
Chemical Name:	Oxygen
Common Name:	Oxygen

LOCKHEED MARTIN INFORMATION SYSTEMS & GLOBAL SERVICES (Continued) **S113155116**

Case Number: 7782-44-7

Record ID: DEH2017-HUPFP-003481
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159738
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-16T17:10:43.000
Chemical Name: Argon, isotope of mass 37
Common Name: Argon-37
Case Number: 13994-71-3

Record ID: DEH2017-HUPFP-003481
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159739
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-16T17:10:43.000
Chemical Name: Acetylene
Common Name: Acetylene
Case Number: 74-86-2

Record ID: DEH2017-HUPFP-003481
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0135523
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-16T17:10:43.000
Chemical Name: Stoddard Solvent
Common Name: Paint Waste
Case Number: Not reported

HAZNET:
envid: S113155116
Year: 2010
GEPAID: CAL000339818
Contact: ESH COORDINATOR
Telephone: 6192988453
Mailing Name: Not reported
Mailing Address: 1160 HARBOR ISLAND DR
Mailing City,St,Zip: SAN DIEGO, CA 92101
Gen County: Not reported
TSD EPA ID: NED981723513
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: Not reported
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113155116
Year: 2010

LOCKHEED MARTIN INFORMATION SYSTEMS & GLOBAL SERVICES (Continued) **S113155116**

GEPAID: CAL000339818
Contact: ESH COORDINATOR
Telephone: 6192988453
Mailing Name: Not reported
Mailing Address: 1160 HARBOR ISLAND DR
Mailing City,St,Zip: SAN DIEGO, CA 92101
Gen County: Not reported
TSD EPA ID: NED981723513
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: Not reported
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113155116
Year: 2010
GEPAID: CAL000339818
Contact: ESH COORDINATOR
Telephone: 6192988453
Mailing Name: Not reported
Mailing Address: 1160 HARBOR ISLAND DR
Mailing City,St,Zip: SAN DIEGO, CA 92101
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.105
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113155116
Year: 2010
GEPAID: CAL000339818
Contact: ESH COORDINATOR
Telephone: 6192988453
Mailing Name: Not reported
Mailing Address: 1160 HARBOR ISLAND DR
Mailing City,St,Zip: SAN DIEGO, CA 92101
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.105
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S113155116
Year: 2010
GEPAID: CAL000339818

LOCKHEED MARTIN INFORMATION SYSTEMS & GLOBAL SERVICES (Continued) **S113155116**

Contact:	ESH COORDINATOR
Telephone:	6192988453
Mailing Name:	Not reported
Mailing Address:	1160 HARBOR ISLAND DR
Mailing City,St,Zip:	SAN DIEGO, CA 92101
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.105
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
35 additional CA_HAZNET: record(s) in the EDR Site Report.

A75 **ERNS 2018203218**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 75 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1203218
Description of Incident:	CALLER REPORTS THAT THERE IS AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE WITHIN THE PERIMETER OF THE SHIPYARD BUT IT IS UNKNOWN IF THE RP IS RESPONSIBLE.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2018-01-30 13:20:00
Incident DTG:	DISCOVERED
Incident Location:	SAN DIEGO BAY
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

(Continued) **2018203218**

Incidents:

NRC Report #:	1203218
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U

(Continued) **2018203218**

Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1203218
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported

(Continued) **2018203218**

Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	INVESTIGATION UNDERWAY, BELIEVED TO BE UNRECOVERABLE
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	83
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	30
Sheen Size Length Units:	FEET
Sheen Size Width:	30
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1203218
Site ID:	20181203218
Date Time Received:	2018-01-30 17:05:06
Date Time Complete:	2018-01-30 17:10:19
Call Type:	INC

(Continued) **2018203218**

Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1203218
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A76 **ERNS** **2018224879**
Target Property **2205 E. BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 76 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1224879
Description of Incident:	CALLER IS REPORTING A SPILL OF HYDRAULIC OIL FROM A VESSEL AT THE INCIDENT LOCATION DUE TO AN EQUIPMENT FAILURE.
Type of Incident:	VESSEL
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2018-09-17 12:15:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 E. BELT STREET
Location Street 1:	PIER 4 NORTH SIDE
Location Street 2:	SAN DIEGO BAY
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported

(Continued) **2018224879**

Potential Range:	N
Incidents:	
NRC Report #:	1224879
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported

(Continued) **2018224879**

Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1224879
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported

(Continued) **2018224879**

Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	DISSIPATE NATURALLY
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	74
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1224879
Site ID:	20181224879
Date Time Received:	2018-09-17 16:01:38
Date Time Complete:	2018-09-17 16:06:57

(Continued) **2018224879**

Call Type:	INC
Responsible Company:	BAE SAN DIEGO SHIP REPAIR
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20181224879
Vessel Name:	USS PRINCETON
Vessel Type:	MILITARY
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1224879
Chris Code:	OHY
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0.75
Unit of Measure:	GALLON(S)
Name of Material:	HYDRAULIC OIL
If Reached Water:	YES
Amount in Water:	0.75
Unit of Measure Reach Water:	GALLON(S)

A77 **ERNS** **2013041700**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 77 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1041700
Description of Incident:	A SHEEN WAS DISCOVERED IN A CONSTRUCTION AREA, EXACT SOURCE IS UNKNOWN.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2013-03-21 07:00:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT

(Continued) **2013041700**

Loaction Address:	2205 E. BELT ST.
Location Street 1:	PIER 4
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1041700
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported

(Continued) **2013041700**

Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1041700
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported

(Continued) **2013041700**

Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	BOOMS WERE PRE INSTALLED, PADS APPLIED, ATTEMPTING TO LOCATE SOURCE
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported

(Continued) **2013041700**

Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	50
Sheen Size Length Units:	FEET
Sheen Size Width:	20
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1041700
Site ID:	20131041700
Date Time Received:	2013-03-21 10:29:07
Date Time Complete:	2013-03-21 10:31:11
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1041700
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A78 **NO0A KA'IMIMOANA #R-333** **CA HAZNET** **S113459946**
Target **2205 BELT ST** **N/A**
Property **SAN DIEGO, CA 92113**

Site 78 of 132 in cluster A

Actual: **18 ft.**

HAZNET:

envid:	S113459946
Year:	2010
GEPAID:	CAC002652954
Contact:	ALLEN LA ROSA
Telephone:	6192330195
Mailing Name:	Not reported
Mailing Address:	1746 NEWTON AVE

NO0A KA'IMIMOANA #R-333 (Continued) **S113459946**

Mailing City,St,Zip:	SAN DIEGO, CA 92113
Gen County:	Not reported
TSD EPA ID:	CAD980675276
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.1125
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego
envid:	S113459946
Year:	2010
GEPAID:	CAC002652954
Contact:	ALLEN LA ROSA
Telephone:	6192330195
Mailing Name:	Not reported
Mailing Address:	1746 NEWTON AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92113
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.325
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

A79 **ERNS 2016155051**
Target Property **2205 EAST BELT ST** **N/A**
SAN DIEGO, CA 92113

Site 79 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1155051
Description of Incident:	CALLER REPORTED THAT A HYDRAULIC HOSE ON THE VIBRATORY HAMMER FAIL DISCHARGING ONE QUART OF HYDRAULIC OIL INTO SAN DIEGO BAY.
Type of Incident:	VESSEL
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2016-08-01 14:20:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 EAST BELT ST
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported

(Continued) **2016155051**

Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1155051
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported

(Continued) **2016155051**

Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1155051
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N

(Continued) **2016155051**

Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CLEAN-UPS COMPLETED.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	80
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	10
Sheen Size Length Units:	FEET
Sheen Size Width:	10
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported

(Continued) **2016155051**

Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:
NRC Report #: 1155051
Site ID: 20161155051
Date Time Received: 2016-08-01 17:56:35
Date Time Complete: 2016-08-01 18:02:05
Call Type: INC
Responsible Company: MANSON CONSTRUCTION
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: SEATTLE
Responsible State: WA
Responsible Zip: 98134
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:
Site ID: 20161155051
Vessel Name: DB VALKYRIE
Vessel Type: UNKNOWN
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: UNITED STATES OF AMERICA
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:
NRC Report #: 1155051
Chris Code: OHY
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 1
Unit of Measure: QUART(S)
Name of Material: HYDRAULIC OIL
If Reached Water: YES
Amount in Water: 1
Unit of Measure Reach Water: QUART(S)

A80 **SOUTHWEST MARINE** **SEMS-ARCHIVE** **1015732845**
Target **2205 EAST BELT (FOOT OF SAMPSON)** **CAD981172554**
Property **SAN DIEGO, CA 92113**

Site 80 of 132 in cluster A

Actual:
18 ft.

SEMS Archive:

Site ID:	904776
EPA ID:	CAD981172554
Cong District:	44
FIPS Code:	6073
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information
Latitude:	32.692500000000003
Longitude:	-117.143056

SEMS Archive Detail:

Region:	9
Site ID:	904776
EPA ID:	CAD981172554
Site Name:	SOUTHWEST MARINE
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1994-01-10 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	904776
EPA ID:	CAD981172554
Site Name:	SOUTHWEST MARINE
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1993-02-08 00:00:00
Finish Date:	1993-02-08 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	904776
EPA ID:	CAD981172554
Site Name:	SOUTHWEST MARINE
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1994-01-10 00:00:00

SOUTHWEST MARINE (Continued) **1015732845**

Qual: N
Current Action Lead: EPA Perf

A81 **CA CHMIRS** **S113998878**
Target Property **SAMSON STREET AT BELT STREET, TAE SYSTEMS, 2205 EAST BELT ST SAN DIEGO, CA** **N/A**

Site 81 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	13-2020
OES notification:	04/04/2013
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:	Yes
Waterway:	storm drain
Spill Site:	Road
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1330
Year:	2013
Agency:	San Diego Ship Repair
Incident Date:	4/4/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	storm drain
E Date:	Not reported

(Continued) **S113998878**

Substance:	Anti-freeze
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:	A pick-up truck hit a fork lift causing the release of approximately 6 gallons of anti-freeze from the pick-up truck. Approximately 2/3rds (4 gallons) of the release was contained and 1/3rd (2 gallons) flowed into a storm drain. Dry absorbant was applied to clean up the 2/3rds portion of the spill.

A82 **PACIFIC SHIP (BAE SYSTEMS)** **ICIS** **1018289347**
Target **2205 EAST BELT** **N/A**
Property **SAN DIEGO, CA 92113**

Site 82 of 132 in cluster A

Actual: **18 ft.**

ICIS:

Enforcement Action ID:	09-2007-0089
FRS ID:	110002943450
Action Name:	BAE Systems
Facility Name:	PACIFIC SHIP (BAE SYSTEMS)
Facility Address:	2205 EAST BELT SAN DIEGO, CA 92113
Enforcement Action Type:	CWA 311B6B1 AO For Class I Penalty - SPCC Expedited Settlement Program
Facility County:	SAN DIEGO
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	311B6BE
Facility SIC Code:	5169
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.693378
Longitude in Decimal Degrees:	-117.143739
Permit Type Desc:	Not reported
Program System Acronym:	600027356
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Facility Name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address:	2205 E BELT ST
Tribal Indicator:	N
Fed Facility:	No

PACIFIC SHIP (BAE SYSTEMS) (Continued) **1018289347**

NAIC Code: Not reported
SIC Code: 5169

Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address: 2205 E BELT ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address: 2205 E BELT ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address: 2205 E BELT ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address: 2205 E BELT ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address: 2205 E BELT ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address: 2205 E BELT ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address: 2205 E BELT ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address: 2205 E BELT ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address: 2205 E BELT ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

PACIFIC SHIP (BAE SYSTEMS) (Continued) **1018289347**

SIC Code: 5169

Facility Name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Address: 2205 E BELT ST
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 5169

A83 **ERNS** **2017184421**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 83 of 132 in cluster A

Actual: 18 ft.

Incident Commons:
NRC Report #: 1184421
Description of Incident: THE CALLER IS REPORTING THAT THE VESSEL DISCHARGED HYDRAULIC LUBE OIL FROM A HYDRAULIC LINE WITHIN THE VESSEL INTO A DECK DRAIN AND INTO THE WATER. THE VESSEL MADE A NRC REPORT # 1184418
Type of Incident: VESSEL
Incident Cause: UNKNOWN
Incident Date Time: 2017-07-18 08:00:00
Incident DTG: DISCOVERED
Incident Location: PIER 4 NORTH
Loaction Address: 2205 EAST BELT STREET
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SAN DIEGO
Location State: CA
Location County: SAN DIEGO
Location Zip: 92113
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:
NRC Report #: 1184421
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported

(Continued) **2017184421**

Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported

(Continued) **2017184421**

CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1184421
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	THE FACILITY AND THE VESSEL WERE PRE BOOMED. ABSORBANTS ARE BEING DEPLOYED.

(Continued) **2017184421**

State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	75
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	20
Sheen Size Length Units:	FEET
Sheen Size Width:	2
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1184421
Site ID:	20171184421
Date Time Received:	2017-07-18 11:49:16
Date Time Complete:	2017-07-18 11:56:13
Call Type:	INC
Responsible Company:	SHIP'S FORCE USS PAUL HAMILTON
Responsible Org Type:	MILITARY
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

(Continued) **2017184421**

Vessels Detail:

Site ID:	20171184421
Vessel Name:	USS PAUL HAMILTON
Vessel Type:	MILITARY
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1184421
Chris Code:	OTH
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	1
Unit of Measure:	GALLON(S)
Name of Material:	2190
If Reached Water:	YES
Amount in Water:	0.5
Unit of Measure Reach Water:	GALLON(S)

A84 **ERNS** **2015125571**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 84 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1125571
Description of Incident:	THE CALLER IS REPORTING AN UNKNOWN SHEEN AT SAN DIEGO BAY SOUTH SIDE OF DRY DOCK OUTDOOR NEXT TO LIVING BARGE.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2015-08-13 12:45:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported

(Continued) **2015125571**

Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1125571
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported

(Continued) **2015125571**

Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1125571
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N

(Continued) **2015125571**

Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	SHEEN IS DISSIPATING NATURALLY.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	N
Sheen Odor Description:	Not reported
Wave Condition:	2 SLIGHT (1 - 3 FT)
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	40
Sheen Size Length Units:	FEET
Sheen Size Width:	5

(Continued) **2015125571**

Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:
NRC Report #: 1125571
Site ID: 20151125571
Date Time Received: 2015-08-13 16:17:46
Date Time Complete: 2015-08-13 16:29:55
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: UNKNOWN
Responsible City: Not reported
Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Material Involved:
NRC Report #: 1125571
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: UNKNOWN OIL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

A85 **ERNS** **2014079408**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 85 of 132 in cluster A

Actual: 18 ft.

Incident Commons:
NRC Report #: 1079408
Description of Incident: CALLER IS REPORTING A SHEEN IN THE SAN DIEGO BAY FROM CONTAMINATED LEGACY SOIL LOCATED IN A CONSTRUCTION AREA.
Type of Incident: FIXED
Incident Cause: OTHER
Incident Date Time: 2014-04-10 13:15:00
Incident DTG: DISCOVERED
Incident Location: Not reported
Loaction Address: 2205 E. BELT ST.
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SAN DIEGO
Location State: CA
Location County: SAN DIEGO
Location Zip: 92113
Distance From City: Not reported

(Continued) **2014079408**

Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1079408
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	OTHER
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported

(Continued) **2014079408**

Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1079408
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported

(Continued) **2014079408**

Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	SHEEN IN NON RECOVERABLE AND IS EVAPORATING QUICKLY.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	80
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	FAINT COLORS
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	30
Sheen Size Length Units:	FEET

(Continued) **2014079408**

Sheen Size Width:	30
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1079408
Site ID:	20141079408
Date Time Received:	2014-04-10 16:49:48
Date Time Complete:	2014-04-10 16:54:43
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1079408
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A86 **BAE SYSTEMS SAN DIEGO SHIP REPAIR** **CA CPS-SLIC** **S109424073**
Target **2205 EAST BELT STREET** **CA CHMIRS** **N/A**
Property **SAN DIEGO, CA 92113** **CA ENF**
CA NPDES
Site 86 of 132 in cluster A **CA CIWQS**

Actual:
18 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	02/24/2012
Global Id:	T10000003580
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.6892678530092
Longitude:	-117.14301109314
Case Type:	Cleanup Program Site
Case Worker:	DTB
Local Agency:	Not reported
RB Case Number:	2090053
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Sediments
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs), Copper, Mercury (elemental), Other

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Metal, Polynuclear aromatic hydrocarbons (PAHs)

Site History: Discharges of metals and other pollutant2 wastes to San Diego Bay marine sediment and water have resulted in the accumulation of pollutants in bay bottom marine sediment. The contaminated marine sediments are located along the eastern shore of central San Diego Bay and encompass an area extending approximately from the Sampson Street Extension to the northwest and Chollas Creek to the southeast and from the shoreline out to the San Diego Bay main shipping channel on the southwest. The Shipyard Sediment Site is located on the eastern shore of central San Diego Bay, approximately one half mile south of the Coronado Bridge and half the total distance into the Bay. The NASSCO and BAE Systems leaseholds, portions of which lie in the Shipyard Sediment Site, are adjacent to each other, have a similar range of water depths, and lie within the same hydrologic and biogeographic area. The Shipyard Sediment Site encompasses the entire 56 water acres of the NASCCO and BAE Systems leaseholds.

Click here to access the California GeoTracker records for this facility:

CHMIRS:

OES Incident Number:	13-5494
OES notification:	09/03/2013
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Oz.

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Other:	Not reported
Date/Time:	818
Year:	2013
Agency:	BAE Systems
Incident Date:	9/3/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	4
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 that a compressor inside a machine room suffered a mechanical malfunction resulting in the release of less than 4oz of hydraulic oil into a drain which leads San Diego Bay. The release is contained and cleanup is complete. Caller sates the oil that impacted the water has naturally dissipated. San Diego Bay has been impacted.
OES Incident Number:	13-5559
OES notification:	09/05/2013
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	945
Year:	2013
Agency:	BAE Systems
Incident Date:	9/5/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Salt Water/Oily Substance mix
Quantity Released:	2-Jan
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 that while disconnecting a salt water hose, water came in contact with an oily substance on the deck and travelled overboard into open water. The release is contained and the sheen has dissipated. San Diego Bay has been impacted.
OES Incident Number:	12-1214
OES notification:	03/02/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port,Waterways
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Oz.
Other:	Not reported
Date/Time:	1242
Year:	2012
Agency:	BAE San Diego Ship Repair
Incident Date:	3/2/2012
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Lubricating Oil
Quantity Released:	1
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states substance released due to operator error while performing maintenance on a ship. The release spilled within a containment boom and absorbents were applied.
OES Incident Number:	13-5819
OES notification:	09/17/2013
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Oz.
Other:	Not reported
Date/Time:	630
Year:	2013
Agency:	BAE Systems
Incident Date:	9/17/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	2-Jan

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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 states an air compressor in a building on the wharf released hydraulic fluid due to unknown causes. Caller states approximately three drops leaked to the bay through a crack in the floor. Caller stated the sheen has dissipated. Caller states the concrete under the wharf has been wiped down and plastic placed under the wharf where the crack is to catch any residual amount remaining in the crack.
OES Incident Number:	12-1595
OES notification:	03/18/2012
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:	Yes
Waterway:	San Diego Bay

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Spill Site:	Ship/Harbor/Port
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	645
Year:	2012
Agency:	BAE Systems
Incident Date:	3/18/2012
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Diesel
Quantity Released:	20
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:	The cause of this release is undetermined, still under investigation. The resulting sheen is Rainbow and Brown in color. Caller states the odor of the release is very strong on the pier. Caller states that the ships in dock are not reporting any problems at this time.
OES Incident Number:	12-2295
OES notification:	04/18/2012
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	830
Year:	2012
Agency:	BAE Systems
Incident Date:	4/18/2012
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Petroleum Sheen
Quantity Released:	20x200ft
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 that an employee discovered a 20x200 ft sheen off the vessel USS Green Bay from unknown sources and due to unknown cause. The vessel applied hydrophobic pads, but was unable to pick up any of the sheen. The release is inside of a boomed area. Per NRC: "Caller is reporting an unknown sheen from an unknown source at their facility." Remedial Actions: "Walked the docks

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

and placed a boat in the water to investigate the sheen, tried to place a pad on the sheen but was unsuccessful"

OES Incident Number:	13-4252
OES notification:	07/10/2013
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Sheen is naturally dissipating.
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	850
Year:	2013
Agency:	BAE Systems
Incident Date:	7/10/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil Sheen, Rainbow Colored
Quantity Released:	40 feet by 20 feet
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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 states they discovered an unknown sheen from an unknown source within their facility in San Diego Bay. The sheen is naturally dissipating and investigation is ongoing and in process.

ENF:

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	370013
Reg Measure Type:	NPDES Permits

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Region:	9
Order #:	R9-2009-0080
Npdes# CA#:	CA0109151
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	01/06/2016
Effective Date:	06/10/2009
Expiration/Review Date:	06/10/2014
Termination Date:	08/31/2015
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):	406152
Region:	9
Order / Resolution Number:	R9-2016-0003
Enforcement Action Type:	Admin Civil Liability
Effective Date:	06/14/2016
Adoption/Issuance Date:	06/14/2016
Achieve Date:	Not reported
Termination Date:	08/04/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	06/15/2016
Status:	Historical
Title:	ACL R9-2016-0003 for BAE Systems San Diego Ship Repair Inc
Description:	Cat2 violations of copper from 8/29/2014 through 4/23/2015
Program:	NPDINDLRG
Latest Milestone Completion Date:	2016-08-04
# Of Programs1:	1
Total Assessment Amount:	12000
Initial Assessed Amount:	12000
Liability $ Amount:	12000
Project $ Amount:	0
Liability $ Paid:	12000
Project $ Completed:	0
Total $ Paid/Completed Amount:	12000

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	370013
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2009-0080
Npdes# CA#:	CA0109151
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	01/06/2016
Effective Date:	06/10/2009
Expiration/Review Date:	06/10/2014
Termination Date:	08/31/2015
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):	401462
Region:	9
Order / Resolution Number:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/10/2015
Adoption/Issuance Date:	07/10/2015
Achieve Date:	Not reported
Termination Date:	07/10/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for BAE Systems San Diego Ship Repair Inc
Description:	SEL for effluent violations
Program:	NPDINDLRG
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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

WDID:	9 000000137
Reg Measure Id:	370013
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2009-0080
Npdes# CA#:	CA0109151
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	01/06/2016
Effective Date:	06/10/2009
Expiration/Review Date:	06/10/2014
Termination Date:	08/31/2015
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):	400333
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	04/10/2015
Adoption/Issuance Date:	04/10/2015
Achieve Date:	Not reported
Termination Date:	04/10/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for BAE Systems San Diego Ship Repair Inc
Description:	Not reported
Program:	NPDINDLRG
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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	370013
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2009-0080
Npdes# CA#:	CA0109151
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	01/06/2016
Effective Date:	06/10/2009
Expiration/Review Date:	06/10/2014
Termination Date:	08/31/2015
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Enforcement Id(EID):	399026
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	12/08/2014
Adoption/Issuance Date:	12/08/2014
Achieve Date:	Not reported
Termination Date:	12/08/2014
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for BAE Systems San Diego Ship Repair Inc
Description:	About 5 pounds of paint chips were discharged to San Diego Bay from the USS Russell flight deck due to a breach in containment.
Program:	NPDINDLRG
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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	370013
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2009-0080
Npdes# CA#:	CA0109151
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	01/06/2016
Effective Date:	06/10/2009
Expiration/Review Date:	06/10/2014
Termination Date:	08/31/2015
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):	398593
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/27/2014
Adoption/Issuance Date:	10/27/2014
Achieve Date:	Not reported
Termination Date:	10/27/2014
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for BAE Systems San Diego Ship Repair Inc
Description:	Monitoring report review April 2014 to August 2014.
Program:	NPDINDLRG
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
Region:	9

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	370013
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2009-0080
Npdes# CA#:	CA0109151
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	01/06/2016
Effective Date:	06/10/2009
Expiration/Review Date:	06/10/2014
Termination Date:	08/31/2015
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	397237
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	Not reported
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/28/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for BAE Systems San Diego Ship Repair Inc
Description:	April 2014 monitoring report review. 1 violation.
Program:	NPDINDLRG
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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	370013
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2009-0080
Npdes# CA#:	CA0109151
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	01/06/2016
Effective Date:	06/10/2009
Expiration/Review Date:	06/10/2014
Termination Date:	08/31/2015
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):	396222
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	05/21/2014
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/21/2014
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	05/21/2014 SEL for BAE Systems San Diego Ship Repair Inc
Description:	Not reported
Program:	NPDINDLRG
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	370013
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2009-0080
Npdes# CA#:	CA0109151
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	01/06/2016
Effective Date:	06/10/2009
Expiration/Review Date:	06/10/2014
Termination Date:	08/31/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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):	391795
Region:	9
Order / Resolution Number:	R9-2013-0119
Enforcement Action Type:	Admin Civil Liability
Effective Date:	09/13/2013
Adoption/Issuance Date:	09/13/2013
Achieve Date:	Not reported
Termination Date:	09/19/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	09/13/2013
Status:	Historical
Title:	ACL R9-2013-0119 for BAE Systems San Diego Ship Repair Inc
Description:	EPL offer to settle $6,000 in MMP for two total recoverable copper effluent limitation violations that occurred on February 28, 2013.
Program:	NPDINDLRG
Latest Milestone Completion Date:	2013-10-10
# Of Programs1:	1
Total Assessment Amount:	6000
Initial Assessed Amount:	6000
Liability $ Amount:	6000
Project $ Amount:	0
Liability $ Paid:	6000
Project $ Completed:	0
Total $ Paid/Completed Amount:	6000

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Source Of Facility:	Reg Meas
Design Flow:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDLRG
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	370013
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2009-0080
Npdes# CA#:	CA0109151
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	01/06/2016
Effective Date:	06/10/2009
Expiration/Review Date:	06/10/2014
Termination Date:	08/31/2015
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):	386340
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/03/2013
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/03/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	07/03/2013 SEL for BAE Systems San Diego Ship Repair Inc for Mon Report
Description:	Copper in fire protection water exceeded effluent limits.
Program:	NPDINDLRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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
Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	257004
Region:	9
Order / Resolution Number:	R9-2001-139
Enforcement Action Type:	Admin Civil Liability
Effective Date:	06/12/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	1989-02-21
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	storm water toxicity violations
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	2003-06-20
# Of Programs1:	1
Total Assessment Amount:	12664
Initial Assessed Amount:	0
Liability $ Amount:	12664
Project $ Amount:	0
Liability $ Paid:	12664
Project $ Completed:	0
Total $ Paid/Completed Amount:	12664

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	256375
Region:	9
Order / Resolution Number:	R9-2005-0069
Enforcement Action Type:	Notice of Violation
Effective Date:	03/17/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/17/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	On February 26, 2004, a discharge of storm water from Pier

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

	Three had an 85% survival rate. Viol # 197149, Made histrocial 3/17/2005, PJR
Program:	NPDNONMUNIPRCS
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
Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	252678
Region:	9
Order / Resolution Number:	R9-2004-0376
Enforcement Action Type:	Notice of Violation
Effective Date:	09/07/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000137
Description:	Violation 181531
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	2004-09-07
# 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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	252677
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	09/07/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000137
Description:	Violation 181526
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	2004-09-07
# 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
Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	250977
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	01/08/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/08/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	Spill of dry dock wash down water for approx 15 minutes.
Program:	NPDNONMUNIPRCS
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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	249639
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	01/22/2004

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/22/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	Tetra Tech inspectors noted that pH measurements were not taken within the first 15 minutes.
Program:	NPDNONMUNIPRCS
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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234916
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/10/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/10/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	Chemical analyses for leaks from deionized rainmaker water was not run at detection limit equivalent to ICP/MS detection level. i.e. detection level should be approximately 0.005 mg/l Enf. made Historical by John Phillips on 8/21/03
Program:	NPDNONMUNIPRCS
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
Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234908
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	12/19/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/19/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	see violation 4709
Program:	NPDNONMUNIPRCS
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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234872
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/31/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/31/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	This is for violation 4401. <CR><CR>Need table for violations in annual summary repirt. See 13267 letter dated January 6, 2000.
Program:	NPDNONMUNIPRCS
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234773
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/22/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2000-08-22
Termination Date:	08/22/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	See violation 3942.
Program:	NPDNONMUNIPRCS
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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234706
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/31/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/31/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	This enforcement is for 2 stormwater toxicity samples for the 1999-2000 wet season.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	233239
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice to Comply
Effective Date:	06/29/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	1999-06-29
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	Not reported
Program:	NPDNONMUNIPRCS
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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	233220
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice to Comply
Effective Date:	06/29/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	1999-06-29
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	Not reported
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	1999-07-08

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

# 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
Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	233219
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice to Comply
Effective Date:	06/29/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	1999-07-08
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000137
Description:	Not reported
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	1999-07-08
# 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

Region:	9
Facility Id:	257991
Agency Name:	BAE Systems San Diego Ship Repair Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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:	3.31199999
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000137
Reg Measure Id:	213825
Reg Measure Type:	Enrollee
Region:	9
Order #:	97-03601
Npdes# CA#:	CAG039001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4000
Status:	Historical
Status Date:	02/07/2008
Effective Date:	04/18/1983
Expiration/Review Date:	Not reported
Termination Date:	11/13/2002
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:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	222573
Region:	9
Order / Resolution Number:	89-002
Enforcement Action Type:	Admin Civil Liability
Effective Date:	01/23/1989
Adoption/Issuance Date:	01/23/1989
Achieve Date:	1989-02-21
Termination Date:	02/21/1989
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACL 89-002 to Southwest Marine for $15,000. Enforcement - 9 000000137

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Description:	ISSUED FOR DISCHARGING RAW SEWAGE TO SAN DIEGO BAY.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	1989-02-21
# Of Programs1:	1
Total Assessment Amount:	15000
Initial Assessed Amount:	0
Liability $ Amount:	15000
Project $ Amount:	0
Liability $ Paid:	15000
Project $ Completed:	0
Total $ Paid/Completed Amount:	15000
Region:	9
Facility Id:	257991
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	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:	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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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):	404363
Region:	9
Order / Resolution Number:	R9-2015-0034
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	01/20/2016
Adoption/Issuance Date:	01/20/2016
Achieve Date:	Not reported
Termination Date:	01/20/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL re R9-2015-0034 for BAE Systems San Diego Ship Repair Inc (July-Sept 2015)
Description:	(1) Chronic Tox Violation
Program:	NPDINDLRG
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

Region:	9
Facility Id:	257991
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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:	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):	410377
Region:	9
Order / Resolution Number:	R9-2015-0034
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	12/09/2016
Adoption/Issuance Date:	12/09/2016
Achieve Date:	Not reported
Termination Date:	12/09/2016

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL re R9-2015-0034 for BAE Systems San Diego Ship Repair Inc (2015 Annual, April -Sept 2016 Quarterly)
Description:	(1) Effluent Violation for Toxicity, (3) Unauthorized discharges, (1) Deficient Monitoring, (1) Deficient Reporting
Program:	NPDINDLRG
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
Region:	9
Facility Id:	257991
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.69312
Place Longitude:	-117.14403
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	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:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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):	407404
Region:	9
Order / Resolution Number:	R9-2015-0034
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/11/2016
Adoption/Issuance Date:	08/11/2016
Achieve Date:	Not reported
Termination Date:	08/11/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL re R9-2015-0034 for BAE Systems San Diego Ship Repair Inc (July 2015-March 2016)
Description:	(6) Unauthorized discharges (2) Chronic Toxicity Violations (1) Failure to Report Violation
Program:	NPDINDLRG
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:

Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37C364730
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:	12/04/2015
Operator Name:	BAE Systems Ship Repair
Operator Address:	PO Box 13308
Operator City:	San Diego
Operator State:	California
Operator Zip:	92170

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	431431
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C364730
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/05/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/04/2015
Discharge Name:	BAE Systems Ship Repair
Discharge Address:	PO Box 13308
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92170
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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 Commertial 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
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	431431
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C364730
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:	12/04/2015
Discharge Name:	Not reported
Discharge Address:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/25/2012
Processed Date:	10/05/2012
Status:	Terminated
Status Date:	12/04/2015
Place Size:	1.8
Place Size Unit:	Acres
Contact:	Sandor Halvax
Contact Title:	Manager Enviromental Programs
Contact Phone:	619-557-4210
Contact Phone Ext:	Not reported
Contact Email:	sandor.halvax@baesystems.com
Operator Name:	BAE Systems Ship Repair
Operator Address:	PO Box 13308
Operator City:	San Diego
Operator State:	California
Operator Zip:	92170
Operator Contact:	Sandor Halvax
Operator Contact Title:	Manager Enviromental Programs
Operator Contact Phone:	619-557-4210
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sandor.halvax@baesystems.com
Operator Type:	Private Business
Developer:	BAE Systems Ship Repair
Developer Address:	PO Box 13308
Developer City:	San Diego
Developer State:	California
Developer Zip:	92170
Developer Contact:	Sandor Halvax
Developer Contact Title:	Manager Enviromental Programs
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Pier 4 replacement
Constype Other Ind:	N
Constype Recons Ind:	Y
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Diego Bay
Certifier:	Sandor Halvax
Certifier Title:	Mgr. Environmental Programs
Certification Date:	25-SEP-12
Primary Sic:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	9
Agency Number:	0
Regulatory Measure ID:	431431
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	9 37C364730
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/05/2012
Termination Date Of Regulatory Measure:	12/04/2015
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 13308
Discharge Name:	BAE Systems Ship Repair
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92170
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:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	431431
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C364730
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/05/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/04/2015
Discharge Name:	BAE Systems Ship Repair
Discharge Address:	PO Box 13308
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92170
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

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

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 Commertial 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
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	431431
Order Number:	Not reported
Regulatory Measure Type:	Construction

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Place ID:	Not reported
WDID:	9 37C364730
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:	12/04/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/25/2012
Processed Date:	10/05/2012
Status:	Terminated
Status Date:	12/04/2015
Place Size:	1.8
Place Size Unit:	Acres
Contact:	Sandor Halvax
Contact Title:	Manager Enviromental Programs
Contact Phone:	619-557-4210
Contact Phone Ext:	Not reported
Contact Email:	sandor.halvax@baesystems.com
Operator Name:	BAE Systems Ship Repair
Operator Address:	PO Box 13308
Operator City:	San Diego
Operator State:	California
Operator Zip:	92170
Operator Contact:	Sandor Halvax
Operator Contact Title:	Manager Enviromental Programs
Operator Contact Phone:	619-557-4210
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	sandor.halvax@baesystems.com
Operator Type:	Private Business
Developer:	BAE Systems Ship Repair
Developer Address:	PO Box 13308
Developer City:	San Diego
Developer State:	California
Developer Zip:	92170
Developer Contact:	Sandor Halvax
Developer Contact Title:	Manager Enviromental Programs
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Pier 4 replacement
Constype Other Ind:	N
Constype Recons Ind:	Y
Constype Residential Ind:	N
Constype Transport Ind:	N

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Diego Bay
Certifier:	Sandor Halvax
Certifier Title:	Mgr. Environmental Programs
Certification Date:	25-SEP-12
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	BAE Systems San Diego Ship Repair Inc
Agency Address:	Po Box 13308, San Diego, CA 92170-0308
Place/Project Type:	Boatyard/Shipyard
SIC/NAICS:	3731
Region:	9
Program:	NPDINDLRG, NPDNONMUNIPRCS
Regulatory Measure Status:	Active
Regulatory Measure Type:	NPDES Permit
Order Number:	R9-2015-0034
WDID:	9 000000137
NPDES Number:	CA0109151
Adoption Date:	06/24/2015
Effective Date:	09/01/2015
Termination Date:	Not reported
Expiration/Review Date:	08/31/2020
Design Flow:	3.312
Major/Minor:	Major
Complexity:	A
TTWQ:	1
Enforcement Actions within 5 years:	10
Violations within 5 years:	45
Latitude:	32.69312
Longitude:	-117.14403

Agency:	BAE Systems Ship Repair
Agency Address:	PO Box 13308, San Diego, CA 92170
Place/Project Type:	Construction - Reconstruction
SIC/NAICS:	Not reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C364730
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	10/05/2012
Termination Date:	12/04/2015
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **S109424073**

Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.69071
Longitude:	-117.14331

A87 **ERNS** **2016158864**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 87 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1158864
Description of Incident:	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN THE SAN DIEGO BAY.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2016-09-13 07:30:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1158864
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported

(Continued) **2016158864**

Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported

(Continued) **2016158864**

Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1158864
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	NONE, SHEEN WAS NON RECOVERABLE.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	Not reported
Air Temperature:	Not reported
Wind Speed:	Not reported

(Continued) **2016158864**

Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1158864
Site ID:	20161158864
Date Time Received:	2016-09-13 11:32:14
Date Time Complete:	2016-09-13 11:37:44
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1158864
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0

(Continued) **2016158864**

Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A88 **ERNS** **2018211749**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 88 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1211749
Description of Incident:	CALLER STATED AN UNKNOWN SHEEN WAS DISCOVERED IN SAN DIEGO BAY.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2018-05-10 07:55:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	SAN DIEGO BAY
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1211749
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported

(Continued) **2018211749**

Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX

(Continued) **2018211749**

Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1211749
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	Not reported
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	63

(Continued) **2018211749**

Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	200
Sheen Size Length Units:	FEET
Sheen Size Width:	20
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1211749
Site ID:	20181211749
Date Time Received:	2018-05-10 12:16:28
Date Time Complete:	2018-05-10 12:19:11
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1211749
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported

(Continued) **2018211749**

Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A89 **SOUTHWEST MARINE INC** **CA LUST** **S106879063**
Target **2205 E BELT STREET** **CA CPS-SLIC** **N/A**
Property **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
CA CHMIRS
Site 89 of 132 in cluster A **CA HAZNET**

Actual: **18 ft.**

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302234
Global Id:	T0607302234
Latitude:	32.6926344736394
Longitude:	-117.14449248164
Status:	Completed - Case Closed
Status Date:	07/13/1998
Case Worker:	LA
RB Case Number:	9UT3470
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H09689-002
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0607302234
Contact Type:	Local Agency Caseworker
Contact Name:	LAURIE APECECHEA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	laurie.apecechea@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607302234
Action Type:	ENFORCEMENT
Date:	05/13/1998
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR) - #H09689-002

Global Id:	T0607302234
Action Type:	Other
Date:	01/07/1997
Action:	Leak Discovery

Global Id:	T0607302234
Action Type:	Other
Date:	05/19/1997
Action:	Leak Reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Global Id: T0607302234
Action Type: Other
Date: 01/07/1997
Action: Leak Began

Global Id: T0607302234
Action Type: Other
Date: 01/07/1997
Action: Leak Stopped

LUST:
Global Id: T0607302234
Status: Completed - Case Closed
Status Date: 07/13/1998

Global Id: T0607302234
Status: Open - Case Begin Date
Status Date: 01/07/1997

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/17/1993
Global Id: T0608142390
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H09689-001
Latitude: 32.6930669224092
Longitude: -117.144260986368
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 11/02/2009
Global Id: SL607392738
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number: Not reported
Latitude: 32.6913265590921
Longitude: -117.145285606384
Case Type: Cleanup Program Site
Case Worker: DTB
Local Agency: Not reported
RB Case Number: 2090005
File Location: Regional Board
Potential Media Affected: Sediments, Surface water
Potential Contaminants of Concern: Polychlorinated biphenyls (PCBs), Arsenic, Copper, Lead, Other Metal, Other Petroleum, Polynuclear aromatic hydrocarbons (PAHs), * *

SOUTHWEST MARINE INC (Continued) **S106879063**

CADMIUM, * * MERCURY

Site History: From 1979 to the present, Southwest Marine, Inc. and its successor BAE Systems have owned and operated a ship repair, alteration, and overhaul facility on approximately 39.6 acres of tidelands property on the eastern waterfront of central San Diego Bay. The facility, currently referred to as BAE Systems San Diego Ship Repair, is located on land leased from the Port District at 2205 East Belt Street, foot of Sampson Street in San Diego, San Diego County, California. Shipyard facilities operated by BAE Systems over the years have included concrete platens used for steel fabrication, two floating dry docks, five piers, and two marine railways. An assortment of waste has been generated at the facility including spent abrasive, paint, rust, petroleum products, marine growth, sanitary waste, and general refuse.

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Permit Number:	109689
Business Type:	6HK71
EPA Id Number:	CAD981172554
APN:	760-022-06-00
Last HMMD Inspection:	07/09/2012
Facility Telephone:	619-238-1000
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BAE SYSTEMS
Facility Mailing Address:	P O BOX 13308
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92170-3308
UST Owner:	BAE SYSTEMS SAN DIEGO SHIP REPAIR
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Y

Inventory Active Permits (not SQG Medical):

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	79-34-5
Name:	1,1,2,2-TETRACHLOROETHANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	Not reported
Name:	AEROSOL PAINT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: AEROSOL, SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: ANTIFREEZE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: BOILER TREATMENT CHEMICALS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: COMPRESSED CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS 75% ARGON 25% CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS 75% HELIUM 25% ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689

SOUTHWEST MARINE INC (Continued) **S106879063**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	COMPRESSED GAS COVERSHIELD 8
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	Not reported
Name:	COMPRESSED GAS RARE GAS MIXTURE UN 1979
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	Not reported
Name:	COMPRESSED GAS UN1956
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	COMPRESSED HELIUM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	COMPRESSED NITROGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	COMPRESSED NITROGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	COMPRESSED OXYGEN

SOUTHWEST MARINE INC (Continued) **S106879063**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COOLANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 64873-34-6
Name: DIESEL FUEL # 2
Other Information: DIESEL FUEL # 2
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: GARNET ABRASIVE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: GREASE, VARIOUS
Other Information: GREASE, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: LEAK DETECTOR
Other Information: LEAK DETECTOR
Material Waste: Material
Hazardous Categories 1: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: LIQUID ARGON
Other Information: LIQUID ARGON
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: LIQUID ARGON
Other Information: LIQUID ARGON
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: LIQUID ARGON
Other Information: LIQUID ARGON
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: LIQUID ARGON
Other Information: LIQUID ARGON
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: LIQUID CARBON DIOXIDE
Other Information: LIQUID CARBON DIOXIDE
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: LIQUID CARBON DIOXIDE
Other Information: LIQUID CARBON DIOXIDE
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689

SOUTHWEST MARINE INC (Continued) **S106879063**

Update Date:	11/02/2012
Case Number:	124-38-9
Name:	LIQUID CARBON DIOXIDE
Other Information:	LIQUID CARBON DIOXIDE
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	LIQUID NITROGEN
Other Information:	LIQUID NITROGEN
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	LIQUID OXYGEN
Other Information:	LIQUID OXYGEN
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	LIQUID OXYGEN
Other Information:	LIQUID OXYGEN
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	LIQUID OXYGEN
Other Information:	LIQUID OXYGEN
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	109689
Update Date:	11/02/2012
Case Number:	Not reported
Name:	OIL, VARIOUS
Other Information:	OIL, VARIOUS
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109689
Update Date:	11/02/2012
Case Number:	Not reported
Name:	OIL, VARIOUS

SOUTHWEST MARINE INC (Continued) **S106879063**

Other Information: OIL, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL, VARIOUS
Other Information: OIL, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ACRYLIC
Other Information: PAINT ACRYLIC
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ALKYD
Other Information: PAINT ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ALKYD
Other Information: PAINT ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT EPOXY
Other Information: PAINT EPOXY
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT EPOXY
Other Information: PAINT EPOXY
Material Waste: Material
Hazardous Categories 1: ACUTE

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT URETHANE
Other Information: PAINT URETHANE
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT, ALKYD
Other Information: PAINT, ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT, EPOXY
Other Information: PAINT, EPOXY
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE LPG
Other Information: PROPANE LPG
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE LPG
Other Information: PROPANE LPG
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 109689 T004
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689

SOUTHWEST MARINE INC (Continued) **S106879063**

Update Date: 11/02/2012
Case Number: 1310-73-2
Name: SODIUM HYDROXIDE SLN, BETZ WATER TREATMENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT
Other Information: SOLVENT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT 40/60 MEK/MIBK
Other Information: SOLVENT 40/60 MEK/MIBK
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: STEEL SHOT ABRASIVE
Other Information: STEEL SHOT ABRASIVE
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 803-23-24
Name: STODDARD SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: THINNER, VARIOUS

SOUTHWEST MARINE INC (Continued) **S106879063**

Other Information: THINNER, VARIOUS
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS-
Other Information: SPENT CHELATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: FUEL, OIL, WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: CITRIC SOLN-LINE CLEANING
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 151 ASBESTOS CONTAINING WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 172 METAL DUST & MACHINING WASTE
Other Information: DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SANDBLAST WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-BATTERIES
Other Information: BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-CAUSTIC
Other Information: CAUSTIC SPILL DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-TAR
Other Information: TAR, TALLOW, CEMENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: MEK STILL BOTTOMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: OIL/COMBUSTIBLE LQD, DSL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: OILY WATER (MANAGE AS HW)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689

SOUTHWEST MARINE INC (Continued) **S106879063**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: NH BILGE WATER OFFSITE POTW (NAVY)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 241 TANK BOTTOM WASTE
Other Information: BAKER TANK SLUDGE/ OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE SOLUTION
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: DIESEL, OIL TO NAVY (MATERIAL)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: OILY DEBRIS, RAGS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: PAINT CANS/DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-

SOUTHWEST MARINE INC (Continued) **S106879063**

Other Information: GREASE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information: PCB CONT DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)--
Other Information: BURN TABLE SLAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-ADHESIVE
Other Information: ADHESIVE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-PRESERVATIVE
Other Information: PRESERVATE-RAGS, PETROLATUM (WAX)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2-RYDLINE RINSATE
Other Information: RYDLIME RINSATE
Material Waste: Waste
Hazardous Categories 1: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV0145
Violation: ERM REPORT NOT SUBMITTED TO HMD
Violation Citation: Excluded recyclable materials report not submitted biennially to HMD &/or available. 25143.10
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/08/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/06/2007
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/06/2007
Violation Code: 6HV0142
Violation: DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation: TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 07/09/2012
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation: UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5

SOUTHWEST MARINE INC (Continued) **S106879063**

Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 07/09/2012
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 07/09/2012
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 07/09/2012
Violation Code: 6HV0207
Violation: FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation: Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 07/20/2010
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/02/2011
Violation Code: 6HV0307
Violation: ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation: Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 109689 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 109689
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 9995
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1989-03-02 00:00:00
Year Installed: 1983-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 109689 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 109689
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 9900
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: CLOSED
Remove Close Date: 1997-01-24 00:00:00
Year Installed: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 109689 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	109689
Tank Type:	DOUBLE WALL
Additional Id:	1 RT2010
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
UST Name:	UNDERGROUND TANK 109689 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	109689
Tank Type:	DOUBLE WALL
Additional Id:	NT1915/TR2010, RT3630
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1996-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAD981172554
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	(619) 238-1000
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/27/2018
Facility Owner:	Not reported
Facility Mailing Address:	P O BOX 13308, SAN DIEGO, CA 92170-3308
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-109689
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5741311
Return To Compliance Date: 2017-11-09T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-04-27T01:25:49.000
Inspection Date: 2017-10-11T07:12:00.000
Violation Code: 1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508(a)(1)(A); 25508.1(f); 19 CCR 2652(a)(3)

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-109689
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 4094969
Return To Compliance Date: 2015-11-10T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-04-27T01:25:49.000
Inspection Date: 2015-09-17T14:23:00.000
Violation Code: 1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-109689
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 4094969
Return To Compliance Date: 2015-11-10T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-04-27T01:25:49.000
Inspection Date: 2015-09-17T14:23:00.000
Violation Code: 1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID:	DEH2002-HUPFP-109689
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-109689
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5741311
Return To Compliance Date:	2017-11-09T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-27T01:25:49.000
Inspection Date:	2017-10-11T07:12:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508(a)(1)(A); 25508.1(a-b); 19 CCR 2654 (a) or (d)

UST DTL:

Record ID:	DEH2002-HUPFP-109689
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-109689
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	BAE SYSTEMS San Diego Ship Repair
Tankid:	20678
Tank Status:	Removed
Date Ust Permanently Closed:	03/02/1989
Tank Use:	01
Piping System Type:	Not reported
Last Updated:	2018-04-27T01:25:58.000
Tank Capacityin Gallons:	9995
Tank Contents:	Diesel
Type Of Tank:	95

Record ID:	DEH2002-HUPFP-109689
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-109689
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	BAE SYSTEMS San Diego Ship Repair
Tankid:	20679
Tank Status:	Closed In Place
Date Ust Permanently Closed:	01/24/1997
Tank Use:	01
Piping System Type:	02
Last Updated:	2018-04-27T01:25:58.000
Tank Capacityin Gallons:	9900
Tank Contents:	Diesel
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-109689
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-109689
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	BAE SYSTEMS San Diego Ship Repair

SOUTHWEST MARINE INC (Continued) **S106879063**

Tankid:	20681
Tank Status:	Removed
Date Ust Permanently Closed:	Not reported
Tank Use:	01
Piping System Type:	01
Last Updated:	2018-04-27T01:25:58.000
Tank Capacityin Gallons:	12000
Tank Contents:	Diesel
Type Of Tank:	02

Record ID:	DEH2002-HUPFP-109689
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-109689
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	BAE SYSTEMS San Diego Ship Repair
Tankid:	20680
Tank Status:	Removed
Date Ust Permanently Closed:	Not reported
Tank Use:	01
Piping System Type:	02
Last Updated:	2018-04-27T01:25:58.000
Tank Capacityin Gallons:	12000
Tank Contents:	1A
Type Of Tank:	02

Waste and Materials:

Record ID:	DEH2002-HUPFP-109689
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0136632
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-01T01:21:37.000
Chemical Name:	Not reported
Common Name:	OIL, VARIOUS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109689
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0136633
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-09-01T01:21:37.000
Chemical Name:	OXYGEN
Common Name:	COMPRESSED OXYGEN
Case Number:	7782-44-7

Record ID:	DEH2002-HUPFP-109689
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0136634
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-09-01T01:21:37.000
Chemical Name:	PROPANE LPG

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136635
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136636
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136637
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136638
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136639
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: 1,1,2,2-Tetrachloroethane
Common Name: TETRACHLORETHANE
Case Number: 79-34-5

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136640
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136641
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: PROPANE
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136642
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: HELIUM
Common Name: COMPRESSED HELIUM
Case Number: 7440-59-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136643
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136644
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: OXYGEN
Common Name: LIQUID OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136645
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136646
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136647
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136648
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: NITROGEN
Common Name: COMPRESSED NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136649
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: PROPANE
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136650

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: COMPRESSED GAS 75% HELIUM 25% ARGON
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136651
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: HELIUM
Common Name: COMPRESSED GAS HELIUM
Case Number: 7440-59-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136652
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136653
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136654
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: NITROGEN
Common Name: LIQUID NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136655
Trade Secret: N
Hazardous Material Type: Pure

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2017-09-01T01:21:37.000
Chemical Name: OXYGEN
Common Name: LIQUID OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136656
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: AEROSOL SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136657
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136658
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: PAINT EPOXY
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104429
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136659
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: PAINT ALKYD
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136660
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: TUFF GREEN CONCENTRATE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136661
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: LUBRICANTING OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136662
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136663
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136664
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136665
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: AEROSOL SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136666
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: PAINT EPOXY
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136667
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: PAINT ALKYD
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136668
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: PAINT URETHANE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136669
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: PAINT ACRYLIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136670
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: THINNER, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136671
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136672
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136673
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136674
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136675

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: GARNET ABRASIVE - ERM
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136676
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-01T01:21:37.000
Chemical Name: Not reported
Common Name: WELD FLUX
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114978
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114979
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114980
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114981
Trade Secret: N
Hazardous Material Type: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114982
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114983
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114984
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE GARNET ABRASIVE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114985
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114986
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: WASTE HYDROCHLORIC ACID
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114987
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114988
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE BAGHOUSE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114989
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114990
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE BURN TABLE SLAG
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114991
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114992
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114993
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114994
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE OILY SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114995
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114996
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2017-HWAST-0114997
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114998
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114999
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115000
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104448
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE EPOXY RESIN
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115001

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115002
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115003
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115004
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115005
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115006
Trade Secret: N
Hazardous Material Type: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115007
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0115008
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-01T01:21:39.000
Chemical Name: Not reported
Common Name: WASTE EPOXY RESIN
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136801
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136820
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE RESIN
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180444
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: PROPANE LPG

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180445
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: 1,1,2,2-Tetrachloroethane
Common Name: TETRACHLORETHANE
Case Number: 79-34-5

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180446
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180447
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: PROPANE
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180448
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: HELIUM
Common Name: COMPRESSED HELIUM
Case Number: 7440-59-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180449
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180450
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: OXYGEN
Common Name: LIQUID OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180451
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177048
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: PAINT EPOXY
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177049
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: PAINT ALKYD
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177050
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: PAINT URETHANE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177051
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: PAINT ACRYLIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177052
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: THINNER, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151664
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151665
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151668
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151669

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151670
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151672
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151673
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151674
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151675
Trade Secret: N
Hazardous Material Type: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151676
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE RESIN
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151677
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Waste Bio Sharps
Common Name: Waste Bio Sharps
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151678
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE AFFF
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151679
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE CHELATE WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151680
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: CHT SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151681
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE OIL AND DIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151682
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE OIL AND DIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151683
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE DIESEL AND WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151685
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE GASOLINE WITH WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151686
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE HYDROCHLORIC ACID
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151693
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151694
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151695
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151687
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151688
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0151689
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151690
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151691
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151692
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180452
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180453

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180454
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: NITROGEN
Common Name: COMPRESSED NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180455
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: PROPANE
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180456
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: COMPRESSED GAS 75% HELIUM 25% ARGON
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155310
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE DIESEL FUEL #2
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180438
Trade Secret: N
Hazardous Material Type: Mixture

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180439
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180440
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180441
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180442
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180443
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180457
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: HELIUM
Common Name: COMPRESSED GAS HELIUM
Case Number: 7440-59-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180458
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180459
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180460
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: NITROGEN
Common Name: LIQUID NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180461
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: OXYGEN
Common Name: LIQUID OXYGEN
Case Number: 7782-44-7

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180462
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: AEROSOL SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180463
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180464
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: PAINT EPOXY
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180465
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: PAINT ALKYD
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180466
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: SPENT GARNET ABRASIVE - ERM
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180467
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: TUFF GREEN CONCENTRATE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180468
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: LUBRICANTING OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180469
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180470
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180471
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180472

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: AEROSOL SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180473
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: PAINT EPOXY
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180474
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: PAINT ALKYD
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180475
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: PAINT URETHANE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180476
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: PAINT ACRYLIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180477
Trade Secret: N
Hazardous Material Type: Mixture

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: THINNER, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180478
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180479
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180480
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180481
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180482
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: WELD FLUX
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180483
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: Polyuerathane Spray Foam
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0180484
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-27T01:25:55.000
Chemical Name: Not reported
Common Name: Polyester Resin
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155253
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155254
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155255
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155256
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155257
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155258
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155259
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155260
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE CORROSIVE CHEMICALS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0155261
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155262
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE BAGHOUSE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155263
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE BURN TABLE SLAG
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155264
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155265
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155266

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155267
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE OILY SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155268
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155269
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155270
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155271
Trade Secret: N
Hazardous Material Type: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155272
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155273
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155274
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155275
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155276
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155277
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155278
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155279
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155280
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE RESIN
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155281
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Waste Bio Sharps
Common Name: Waste Bio Sharps
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155282
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE AFFF
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155283
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE CHELATE WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155284
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: CHT SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155285
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE OIL AND DIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155286
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE OIL AND DIESEL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0155287
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE DIESEL AND WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155288
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE DIESEL AND WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155289
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE GASOLINE WITH WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155290
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE HYDROCHLORIC ACID
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155291
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155292

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155293
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155294
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155295
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155296
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155297
Trade Secret: N
Hazardous Material Type: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155298
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155299
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155300
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE SPENT ABRASIVE WITH CADMIUM
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155301
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155302
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: WASTE SOLVENT RAGS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155303
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE RESIN DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155304
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PRESERVATIVE (LIQUID)
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155305
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE OILY WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155306
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155307
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT (SOLIDIFIED)
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155308
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE WATER WITH METALS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0155309
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T01:25:56.000
Chemical Name: Not reported
Common Name: WASTE DIESEL FUEL #2
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161360
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161363
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161364
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: 1,1,2,2-Tetrachloroethane
Common Name: TETRACHLORETHANE
Case Number: 79-34-5

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161365
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161366
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: PROPANE
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161367
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: HELIUM
Common Name: COMPRESSED HELIUM
Case Number: 7440-59-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161368
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161369
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: OXYGEN
Common Name: LIQUID OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161370

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161371
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161372
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161373
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: NITROGEN
Common Name: COMPRESSED NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161374
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: PROPANE
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161375
Trade Secret: N
Hazardous Material Type: Mixture

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: COMPRESSED GAS 75% HELIUM 25% ARGON
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161376
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: HELIUM
Common Name: COMPRESSED GAS HELIUM
Case Number: 7440-59-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161377
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161378
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161379
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: NITROGEN
Common Name: LIQUID NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161380
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: OXYGEN

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: LIQUID OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161381
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: AEROSOL SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161382
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161383
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: PAINT EPOXY
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161384
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: PAINT ALKYD
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161385
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: TUFF GREEN CONCENTRATE
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161386
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: LUBRICANTING OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161387
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161388
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161389
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161390
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: AEROSOL SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161391
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: PAINT EPOXY
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161392
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: PAINT ALKYD
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161393
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: PAINT URETHANE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161394
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: PAINT ACRYLIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161395
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: THINNER, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161396

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161397
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161398
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161399
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161400
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: GARNET ABRASIVE - ERM
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161401
Trade Secret: N
Hazardous Material Type: Pure

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WELD FLUX
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136790
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136791
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136792
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136793
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136794
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136795
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136796
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE GARNET ABRASIVE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136797
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136798
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE CORROSIVE CHEMICALS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136799
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136800
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE BAGHOUSE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136802
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE BURN TABLE SLAG
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136803
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136804
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136805
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2017-HWAST-0136806
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE OILY SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136807
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136808
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136809
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136810
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136811

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136812
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136813
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136814
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136815
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136816
Trade Secret: N
Hazardous Material Type: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136817
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136818
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136819
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136821
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Waste Diesel Fuel
Common Name: Waste Diesel Fuel No. 2
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136822
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Waste Oil Filter

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: Waste Oil Filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0136823
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Waste Bio Sharps
Common Name: Waste Bio Sharps
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161361
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161362
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161357
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161358
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN
Case Number: 7782-44-7

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0161359
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T14:18:56.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125611
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: PAINT URETHANE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125612
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: PAINT ACRYLIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125575
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125576
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125577
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125578
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125579
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125580
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125581
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125582

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: 1,1,2,2-Tetrachloroethane
Common Name: TETRACHLORETHANE
Case Number: 79-34-5

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125583
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125584
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: PROPANE
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125585
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: HELIUM
Common Name: COMPRESSED HELIUM
Case Number: 7440-59-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125586
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125587
Trade Secret: N
Hazardous Material Type: Pure

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2017-01-10T02:33:34.000
Chemical Name: OXYGEN
Common Name: LIQUID OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125588
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125589
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125590
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125591
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: NITROGEN
Common Name: COMPRESSED NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125592
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: PROPANE

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125593
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: COMPRESSED GAS 75% HELIUM 25% ARGON
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125594
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: HELIUM
Common Name: COMPRESSED GAS HELIUM
Case Number: 7440-59-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125595
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125596
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125597
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: NITROGEN
Common Name: LIQUID NITROGEN
Case Number: 7727-37-9

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125598
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: OXYGEN
Common Name: LIQUID OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125599
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: AEROSOL SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125600
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125601
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: PAINT EPOXY
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125602
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: PAINT ALKYD
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125603
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: TUFF GREEN CONCENTRATE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125604
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: LUBRICANTING OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125605
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125606
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125607
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125608

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: AEROSOL SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125609
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: PAINT EPOXY
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125610
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: PAINT ALKYD
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125613
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: THINNER, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125614
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125615
Trade Secret: N
Hazardous Material Type: Pure

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2017-01-10T02:33:34.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125616
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125617
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0125618
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: GARNET ABRASIVE - ERM
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104418
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104419
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104420
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104421
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104422
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104423
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104424
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE GARNET ABRASIVE
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104425
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104426
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE HYDROCHLORIC ACID
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104427
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104428
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE BAGHOUSE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104430
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE BURN TABLE SLAG
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2017-HWAST-0104431
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104432
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104433
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104434
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE OILY SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104435
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104436

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104437
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104438
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104439
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104440
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104441
Trade Secret: N
Hazardous Material Type: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104442
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104443
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104444
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104445
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE SHIP INSULATION
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104446
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104447
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-01-10T02:33:34.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177028
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177030
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: NITROGEN
Common Name: COMPRESSED NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177031
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: PROPANE
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177032
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: COMPRESSED GAS 75% HELIUM 25% ARGON
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177033
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: HELIUM
Common Name: COMPRESSED GAS HELIUM
Case Number: 7440-59-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177034
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177035
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177036
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: NITROGEN
Common Name: LIQUID NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177037
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: OXYGEN
Common Name: LIQUID OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177038
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: AEROSOL SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177039
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177040
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: PAINT EPOXY
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177041
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: PAINT ALKYD
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177042
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: TUFF GREEN CONCENTRATE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177043

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: LUBRICANTING OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177029
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177014
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177015
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177016
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177017
Trade Secret: N
Hazardous Material Type: Pure

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-04-04T01:38:59.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177018
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177019
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177020
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: PROPANE LPG
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177021
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: 1,1,2,2-Tetrachloroethane
Common Name: TETRACHLORETHANE
Case Number: 79-34-5

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177022
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: OXYGEN

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: COMPRESSED OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177023
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: PROPANE
Common Name: PROPANE LPG
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177024
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: HELIUM
Common Name: COMPRESSED HELIUM
Case Number: 7440-59-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177025
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177026
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: OXYGEN
Common Name: LIQUID OXYGEN
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177027
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177044
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177046
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: AEROSOL PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177047
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: AEROSOL SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177053
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177054
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177056
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: ARGON
Common Name: LIQUID ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177057
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: WELD FLUX
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177058
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: Polyuerathane Spray Foam
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177059
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: Polyester Resin
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151648
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151649

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151650
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151654
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE GARNET ABRASIVE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151655
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151656
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE CORROSIVE CHEMICALS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151657
Trade Secret: N
Hazardous Material Type: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151658
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE BAGHOUSE FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151660
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151661
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151662
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151663
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Common Name: WASTE OILY SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151696
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE SPENT ABRASIVE WITH CADMIUM
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151697
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151698
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT RAGS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151699
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE RESIN DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151700
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PRESERVATIVE (LIQUID)
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151701
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE OILY WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151702
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151703
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT (SOLIDIFIED)
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151704
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE WATER WITH METALS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151705
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE DIESEL FUEL #2
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed

SOUTHWEST MARINE INC (Continued) **S106879063**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0151706
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE DIESEL FUEL #2
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177045
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: Not reported
Common Name: SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177055
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:38:59.000
Chemical Name: CARBON DIOXIDE
Common Name: LIQUID CARBON DIOXIDE
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151651
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151652
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151653

SOUTHWEST MARINE INC (Continued) **S106879063**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE METAL DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151659
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE BURN TABLE SLAG
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151666
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151667
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151671
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE PAINT CHIPS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109689
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151684
Trade Secret: N
Hazardous Material Type: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Last Updated: 2018-04-04T01:39:01.000
Chemical Name: Not reported
Common Name: WASTE DIESEL AND WATER
Case Number: Not reported

Permit Number: 109689
Business Type: 6HK71
EPA Id Number: CAD981172554
APN: 760-022-06-00
Last HMMD Inspection: 07/09/2012
Facility Telephone: 619-238-1000
Permit Status: OPEN
Permit Expiration: 01/31/2013
Date Last Updated: 11/02/2012
Facility Owner: BAE SYSTEMS
Facility Mailing Address: P O BOX 13308
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92170-3308
UST Owner: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 109689
Update Date: 11/02/2012
Case Number: 79-34-5
Name: 1,1,2,2-TETRACHLOROETHANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: AEROSOL PAINT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: AEROSOL, SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012

SOUTHWEST MARINE INC (Continued) **S106879063**

Case Number: Not reported
Name: ANTIFREEZE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: BOILER TREATMENT CHEMICALS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: COMPRESSED CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS 75% ARGON 25% CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS 75% HELIUM 25% ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS COVERSHIELD 8
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS RARE GAS MIXTURE UN 1979
Other Information: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS UN1956
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-59-7
Name: COMPRESSED HELIUM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: COMPRESSED NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: COMPRESSED NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: COMPRESSED OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COOLANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 64873-34-6
Name: DIESEL FUEL # 2
Other Information: DIESEL FUEL # 2
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: GARNET ABRASIVE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: GREASE, VARIOUS
Other Information: GREASE, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: LEAK DETECTOR
Other Information: LEAK DETECTOR
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: LIQUID ARGON
Other Information: LIQUID ARGON
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-37-1

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: LIQUID ARGON
Other Information: LIQUID ARGON
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: LIQUID ARGON
Other Information: LIQUID ARGON
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: LIQUID ARGON
Other Information: LIQUID ARGON
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: LIQUID CARBON DIOXIDE
Other Information: LIQUID CARBON DIOXIDE
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: LIQUID CARBON DIOXIDE
Other Information: LIQUID CARBON DIOXIDE
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: LIQUID CARBON DIOXIDE
Other Information: LIQUID CARBON DIOXIDE
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: LIQUID NITROGEN
Other Information: LIQUID NITROGEN
Material Waste: Material

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: LIQUID OXYGEN
Other Information: LIQUID OXYGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: LIQUID OXYGEN
Other Information: LIQUID OXYGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: LIQUID OXYGEN
Other Information: LIQUID OXYGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL, VARIOUS
Other Information: OIL, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL, VARIOUS
Other Information: OIL, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL, VARIOUS
Other Information: OIL, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ACRYLIC
Other Information: PAINT ACRYLIC
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ALKYD
Other Information: PAINT ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ALKYD
Other Information: PAINT ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT EPOXY
Other Information: PAINT EPOXY
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT EPOXY
Other Information: PAINT EPOXY
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT URETHANE
Other Information: PAINT URETHANE
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: PAINT, ALKYD
Other Information: PAINT, ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT, EPOXY
Other Information: PAINT, EPOXY
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE LPG
Other Information: PROPANE LPG
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE LPG
Other Information: PROPANE LPG
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 109689 T004
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 1310-73-2
Name: SODIUM HYDROXIDE SLN, BETZ WATER TREATMENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT
Other Information: Not reported
Material Waste: Material

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT
Other Information: SOLVENT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT 40/60 MEK/MIBK
Other Information: SOLVENT 40/60 MEK/MIBK
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: STEEL SHOT ABRASIVE
Other Information: STEEL SHOT ABRASIVE
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 803-23-24
Name: STODDARD SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: THINNER, VARIOUS
Other Information: THINNER, VARIOUS
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS-
Other Information: SPENT CHELATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: FUEL, OIL, WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: CITRIC SOLN-LINE CLEANING
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 151 ASBESTOS CONTAINING WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 172 METAL DUST & MACHINING WASTE
Other Information: DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SANDBLAST WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-BATTERIES
Other Information: BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-CAUSTIC
Other Information: CAUSTIC SPILL DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-TAR
Other Information: TAR, TALLOW, CEMENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: MEK STILL BOTTOMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: OIL/COMBUSTIBLE LQD, DSL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: OILY WATER (MANAGE AS HW)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: NH BILGE WATER OFFSITE POTW (NAVY)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 241 TANK BOTTOM WASTE
Other Information: BAKER TANK SLUDGE/ OIL
Material Waste: Waste

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE SOLUTION
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: DIESEL, OIL TO NAVY (MATERIAL)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: OILY DEBRIS, RAGS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: PAINT CANS/DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information: GREASE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information: PCB CONT DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)--
Other Information: BURN TABLE SLAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-ADHESIVE
Other Information: ADHESIVE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-PRESERVATIVE
Other Information: PRESERVATE-RAGS, PETROLATUM (WAX)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2-RYDLINE RINSATE
Other Information: RYDLIME RINSATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 109689
Update Date: 11/02/2012

SOUTHWEST MARINE INC (Continued) **S106879063**

Inspection Date: 05/28/2004
Violation Code: 6HV0145
Violation: ERM REPORT NOT SUBMITTED TO HMD
Violation Citation: Excluded recyclable materials report not submitted biennially to HMD &/or available. 25143.10
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/08/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/06/2007
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/06/2007
Violation Code: 6HV0142
Violation: DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation: TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 07/09/2012
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation: UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 07/09/2012
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012

SOUTHWEST MARINE INC (Continued) **S106879063**

Inspection Date: 07/09/2012
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 07/09/2012
Violation Code: 6HV0207
Violation: FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation: Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 07/20/2010
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/02/2011
Violation Code: 6HV0307
Violation: ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation: Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS

SOUTHWEST MARINE INC (Continued) **S106879063**

Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 109689 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 109689
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 9995
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1989-03-02 00:00:00
Year Installed: 1983-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 109689 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 109689
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 9900
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: CLOSED
Remove Close Date: 1997-01-24 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 02
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 109689 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 109689
Tank Type: DOUBLE WALL
Additional Id: 1 RT2010
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED

SOUTHWEST MARINE INC (Continued) **S106879063**

Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
UST Name:	UNDERGROUND TANK 109689 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	109689
Tank Type:	DOUBLE WALL
Additional Id:	NT1915/TR2010, RT3630
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1996-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT

Permit Number:	109689
Business Type:	6HK71
EPA Id Number:	CAD981172554
APN:	760-022-06-00
Last HMMD Inspection:	07/09/2012
Facility Telephone:	619-238-1000
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BAE SYSTEMS
Facility Mailing Address:	P O BOX 13308
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92170-3308
UST Owner:	BAE SYSTEMS SAN DIEGO SHIP REPAIR
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Y

Inventory Active Permits (not SQG Medical):

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	79-34-5
Name:	1,1,2,2-TETRACHLOROETHANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: AEROSOL PAINT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: AEROSOL, SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: ANTIFREEZE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: BOILER TREATMENT CHEMICALS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: COMPRESSED CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS 75% ARGON 25% CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: COMPRESSED GAS 75% HELIUM 25% ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS COVERSHIELD 8
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS RARE GAS MIXTURE UN 1979
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS UN1956
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-59-7
Name: COMPRESSED HELIUM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: COMPRESSED NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: COMPRESSED NITROGEN
Other Information: Not reported
Material Waste: Material

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: COMPRESSED OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COOLANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 64873-34-6
Name: DIESEL FUEL # 2
Other Information: DIESEL FUEL # 2
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: GARNET ABRASIVE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: GREASE, VARIOUS
Other Information: GREASE, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	Not reported
Name:	LEAK DETECTOR
Other Information:	LEAK DETECTOR
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	LIQUID ARGON
Other Information:	LIQUID ARGON
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	LIQUID ARGON
Other Information:	LIQUID ARGON
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	LIQUID ARGON
Other Information:	LIQUID ARGON
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	LIQUID ARGON
Other Information:	LIQUID ARGON
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	LIQUID CARBON DIOXIDE
Other Information:	LIQUID CARBON DIOXIDE
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	124-38-9

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: LIQUID CARBON DIOXIDE
Other Information: LIQUID CARBON DIOXIDE
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: LIQUID CARBON DIOXIDE
Other Information: LIQUID CARBON DIOXIDE
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: LIQUID NITROGEN
Other Information: LIQUID NITROGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: LIQUID OXYGEN
Other Information: LIQUID OXYGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: LIQUID OXYGEN
Other Information: LIQUID OXYGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: LIQUID OXYGEN
Other Information: LIQUID OXYGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL, VARIOUS
Other Information: OIL, VARIOUS
Material Waste: Material

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL, VARIOUS
Other Information: OIL, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL, VARIOUS
Other Information: OIL, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ACRYLIC
Other Information: PAINT ACRYLIC
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ALKYD
Other Information: PAINT ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ALKYD
Other Information: PAINT ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT EPOXY
Other Information: PAINT EPOXY
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT EPOXY
Other Information: PAINT EPOXY
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT URETHANE
Other Information: PAINT URETHANE
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT, ALKYD
Other Information: PAINT, ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT, EPOXY
Other Information: PAINT, EPOXY
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE LPG
Other Information: PROPANE LPG
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE LPG
Other Information: PROPANE LPG
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 109689 T004
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 1310-73-2
Name: SODIUM HYDROXIDE SLN, BETZ WATER TREATMENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT
Other Information: SOLVENT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT 40/60 MEK/MIBK
Other Information: SOLVENT 40/60 MEK/MIBK
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: STEEL SHOT ABRASIVE
Other Information: STEEL SHOT ABRASIVE
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 803-23-24
Name: STODDARD SOLVENT
Other Information: Not reported
Material Waste: Material

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: THINNER, VARIOUS
Other Information: THINNER, VARIOUS
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS-
Other Information: SPENT CHELATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: FUEL, OIL, WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: CITRIC SOLN-LINE CLEANING
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 151 ASBESTOS CONTAINING WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 172 METAL DUST & MACHINING WASTE
Other Information: DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SANDBLAST WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-BATTERIES
Other Information: BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-CAUSTIC
Other Information: CAUSTIC SPILL DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-TAR
Other Information: TAR, TALLOW, CEMENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: MEK STILL BOTTOMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: OIL/COMBUSTIBLE LQD, DSL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: OILY WATER (MANAGE AS HW)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: NH BILGE WATER OFFSITE POTW (NAVY)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 241 TANK BOTTOM WASTE
Other Information: BAKER TANK SLUDGE/ OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE SOLUTION
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: DIESEL, OIL TO NAVY (MATERIAL)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: OILY DEBRIS, RAGS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: PAINT CANS/DEBRIS
Material Waste: Waste

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information: GREASE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information: PCB CONT DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)--
Other Information: BURN TABLE SLAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-ADHESIVE
Other Information: ADHESIVE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-PRESERVATIVE
Other Information: PRESERVATE-RAGS, PETROLATUM (WAX)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2-RYDLINE RINSATE
Other Information: RYDLIME RINSATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV0145
Violation: ERM REPORT NOT SUBMITTED TO HMD
Violation Citation: Excluded recyclable materials report not submitted biennially to HMD &/or available. 25143.10
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/08/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/06/2007
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/06/2007
Violation Code: 6HV0142
Violation: DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation: TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity: ACTIVE

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	07/20/2010
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	08/02/2011
Violation Code:	6HV0307
Violation:	ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation:	Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012

SOUTHWEST MARINE INC (Continued) **S106879063**

Inspection Date: 04/04/2003
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 109689 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 109689
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 9995
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1989-03-02 00:00:00
Year Installed: 1983-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 109689 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 109689
Tank Type: SINGLE WALL

SOUTHWEST MARINE INC (Continued) **S106879063**

Additional Id:	2
Capacity Gallons:	9900
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	CLOSED
Remove Close Date:	1997-01-24 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 109689 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	109689
Tank Type:	DOUBLE WALL
Additional Id:	1 RT2010
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

UST Name:	UNDERGROUND TANK 109689 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	109689
Tank Type:	DOUBLE WALL
Additional Id:	NT1915/TR2010, RT3630
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1996-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT

Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000428137
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	(858) 522-6101
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	01/16/2018

SOUTHWEST MARINE INC (Continued) **S106879063**

Facility Owner:	Not reported
Facility Mailing Address:	9444 Balboa Ave Ste 400, San Diego, CA 92123
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2017-HUPFP-003491
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003491
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	5689686
Return To Compliance Date:	2017-10-19T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-01-16T17:10:38.000
Inspection Date:	2017-10-18T14:26:00.000
Violation Code:	HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a)

Waste and Materials:

Record ID:	DEH2017-HUPFP-003491
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0135529
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-16T17:10:38.000
Chemical Name:	Not reported
Common Name:	Paint Debris (i.e. paint chips, paint rollers, paint brushes, paint stirring sticks, paint cans, rags)
Case Number:	Not reported

Permit Number:	109689
Business Type:	6HK71
EPA Id Number:	CAD981172554
APN:	760-022-06-00
Last HMMD Inspection:	07/09/2012
Facility Telephone:	619-238-1000
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BAE SYSTEMS
Facility Mailing Address:	P O BOX 13308
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA

SOUTHWEST MARINE INC (Continued) **S106879063**

Facility Mailing Zip: 92170-3308
UST Owner: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Y

Inventory Active Permits (not SQG Medical):
Permit Number: 109689
Update Date: 11/02/2012
Case Number: 79-34-5
Name: 1,1,2,2-TETRACHLOROETHANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: AEROSOL PAINT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: AEROSOL, SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: ANTIFREEZE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: BOILER TREATMENT CHEMICALS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: COMPRESSED CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS 75% ARGON 25% CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS 75% HELIUM 25% ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS COVERSHIELD 8
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS RARE GAS MIXTURE UN 1979
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COMPRESSED GAS UN1956
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7440-59-7
Name: COMPRESSED HELIUM
Other Information: Not reported
Material Waste: Material

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: COMPRESSED NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: COMPRESSED NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: COMPRESSED OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: COOLANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 64873-34-6
Name: DIESEL FUEL # 2
Other Information: DIESEL FUEL # 2
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	Not reported
Name:	GARNET ABRASIVE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	Not reported
Name:	GREASE, VARIOUS
Other Information:	GREASE, VARIOUS
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	Not reported
Name:	LEAK DETECTOR
Other Information:	LEAK DETECTOR
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	LIQUID ARGON
Other Information:	LIQUID ARGON
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	LIQUID ARGON
Other Information:	LIQUID ARGON
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	LIQUID ARGON
Other Information:	LIQUID ARGON
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109689
Update Date:	11/02/2012
Case Number:	7440-37-1

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: LIQUID ARGON
Other Information: LIQUID ARGON
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: LIQUID CARBON DIOXIDE
Other Information: LIQUID CARBON DIOXIDE
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: LIQUID CARBON DIOXIDE
Other Information: LIQUID CARBON DIOXIDE
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 124-38-9
Name: LIQUID CARBON DIOXIDE
Other Information: LIQUID CARBON DIOXIDE
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: LIQUID NITROGEN
Other Information: LIQUID NITROGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: LIQUID OXYGEN
Other Information: LIQUID OXYGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: LIQUID OXYGEN
Other Information: LIQUID OXYGEN
Material Waste: Material

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: LIQUID OXYGEN
Other Information: LIQUID OXYGEN
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL, VARIOUS
Other Information: OIL, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL, VARIOUS
Other Information: OIL, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: OIL, VARIOUS
Other Information: OIL, VARIOUS
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ACRYLIC
Other Information: PAINT ACRYLIC
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ALKYD
Other Information: PAINT ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT ALKYD
Other Information: PAINT ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT EPOXY
Other Information: PAINT EPOXY
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT EPOXY
Other Information: PAINT EPOXY
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT URETHANE
Other Information: PAINT URETHANE
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT, ALKYD
Other Information: PAINT, ALKYD
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT, EPOXY
Other Information: PAINT, EPOXY
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 74-98-6

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: PROPANE LPG
Other Information: PROPANE LPG
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE LPG
Other Information: PROPANE LPG
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 109689 T004
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 1310-73-2
Name: SODIUM HYDROXIDE SLN, BETZ WATER TREATMENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT
Other Information: SOLVENT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: SOLVENT 40/60 MEK/MIBK
Other Information: SOLVENT 40/60 MEK/MIBK
Material Waste: Material

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: STEEL SHOT ABRASIVE
Other Information: STEEL SHOT ABRASIVE
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: 803-23-24
Name: STODDARD SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: THINNER, VARIOUS
Other Information: THINNER, VARIOUS
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS-
Other Information: SPENT CHELATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: FUEL, OIL, WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: CITRIC SOLN-LINE CLEANING
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 151 ASBESTOS CONTAINING WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 172 METAL DUST & MACHINING WASTE
Other Information: DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SANDBLAST WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-BATTERIES
Other Information: BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-CAUSTIC
Other Information: CAUSTIC SPILL DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-TAR
Other Information: TAR, TALLOW, CEMENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: MEK STILL BOTTOMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: OIL/COMBUSTIBLE LQD, DSL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: OILY WATER (MANAGE AS HW)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: NH BILGE WATER OFFSITE POTW (NAVY)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 241 TANK BOTTOM WASTE
Other Information: BAKER TANK SLUDGE/ OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE SOLUTION
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: DIESEL, OIL TO NAVY (MATERIAL)
Material Waste: Waste

SOUTHWEST MARINE INC (Continued) **S106879063**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: OILY DEBRIS, RAGS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: PAINT CANS/DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information: GREASE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information: PCB CONT DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)--
Other Information: BURN TABLE SLAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-ADHESIVE
Other Information: ADHESIVE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-PRESERVATIVE
Other Information: PRESERVATE-RAGS, PETROLATUM (WAX)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2-RYDLINE RINSATE
Other Information: RYDLIME RINSATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109689
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV0145
Violation: ERM REPORT NOT SUBMITTED TO HMD
Violation Citation: Excluded recyclable materials report not submitted biennially to HMD &/or available. 25143.10
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/08/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689

SOUTHWEST MARINE INC (Continued) **S106879063**

Update Date:	11/02/2012
Inspection Date:	08/06/2007
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	08/06/2007
Violation Code:	6HV0142
Violation:	DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation:	TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity:	ACTIVE
Permit Number:	109689
Update Date:	11/02/2012

SOUTHWEST MARINE INC (Continued) **S106879063**

Inspection Date: 07/20/2010
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 08/02/2011
Violation Code: 6HV0307
Violation: ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation: Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 04/04/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109689
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 109689 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 109689

SOUTHWEST MARINE INC (Continued) **S106879063**

Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	9995
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-03-02 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 109689 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	109689
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	9900
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	CLOSED
Remove Close Date:	1997-01-24 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 109689 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	109689
Tank Type:	DOUBLE WALL
Additional Id:	1 RT2010
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
UST Name:	UNDERGROUND TANK 109689 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	109689
Tank Type:	DOUBLE WALL
Additional Id:	NT1915/TR2010, RT3630
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE

SOUTHWEST MARINE INC (Continued) **S106879063**

Remove Close Date:	Not reported
Year Installed:	1996-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT

CHMIRS:

OES Incident Number:	1-0776
OES notification:	02/08/2011
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	1340
Year:	2011
Agency:	NRC
Incident Date:	2/8/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Substance:	Oil - Unknown type
Quantity Released:	5’ x 20’
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: Caller is reporting unknown sheen from unknown source, currently deploying resources to attempt to recover material.
OES Incident Number:	1-6358
OES notification:	10/25/2011
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Military Base
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1120
Year:	2011
Agency:	NRC
Incident Date:	10/25/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	3
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 #993543 "Caller stated hydraulic oil (2135) released from the USS Green Bay into the water due to a leak onboard the vessel." Remedial actions: "Cleaning up oil inside of the ship, using diapers for clean up on the water."
OES Incident Number:	13-4336
OES notification:	07/15/2013
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

SOUTHWEST MARINE INC (Continued) **S106879063**

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:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	715
Year:	2013
Agency:	BAE Systems
Incident Date:	7/15/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	No
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Fuel - Unknown Type
Quantity Released:	5’ x 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:	Vessel leaking from outboard motor causing the release, material is flowing directly into the water, RP is handling containment and clean up.
OES Incident Number:	17-2898
OES notification:	04/19/2017
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

SOUTHWEST MARINE INC (Continued) **S106879063**

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:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	None
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Oz.
Other:	Not reported
Date/Time:	1030
Year:	2017
Agency:	NRC
Incident Date:	04/19/2017
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Motor Oil
Quantity Released:	2
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

SOUTHWEST MARINE INC (Continued) **S106879063**

Fatals:	No
Comments:	Not reported
Description:	NRC report states: "CALLER IS REPORTING A RELEASE OF MOTOR OIL INTO SAN DIEGO BAY FROM A SMALL FLAT BED BOAT PROP FOR UNKNOWN REASONS. Sheen Size Length: 10 FEET, Sheen Size Width: 10 FEET. BOATS BEEN REMOVED FROM THE WATER AND TAKEN TO GET REPAIRS. SHEEN IS DISSIPATING NATURALLY."
OES Incident Number:	1-3901
OES notification:	06/29/2011
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:	Yes
Waterway:	San Diego Harbor
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	650
Year:	2011
Agency:	NRC
Incident Date:	6/29/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Harbor
E Date:	Not reported
Substance:	Oil - Unknown Type, White colored

SOUTHWEST MARINE INC (Continued) **S106879063**

Quantity Released:	45' x 45'
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: Received a call from BAE systems, caller stated there was an approximate 45' white sheen N of pier 1 on their facility.
OES Incident Number:	10-2377
OES notification:	04/15/2010
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Merchant/Business
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

SOUTHWEST MARINE INC (Continued) **S106879063**

Measure:	Oz.
Other:	Not reported
Date/Time:	745
Year:	2010
Agency:	BAE Systems
Incident Date:	4/15/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Hydraulic fluid
Quantity Released:	2
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:	THE CALLER IS REPORTING THAT WHILE OPERATING A RENTAL PIECE OF EQUIPMENT OVER WATER, THE LIFT ARM BEGAN TO LEAK HYDRAULIC OIL. 2 OUNCES OF HYDRAULIC OIL WAS DISCHARGED INTO SAN DIEGO BAY. DISSIPATE NATURALLY
OES Incident Number:	16-5578
OES notification:	09/13/2016
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

SOUTHWEST MARINE INC (Continued) **S106879063**

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:	San Diego Bay
Spill Site:	Other
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	730
Year:	2016
Agency:	BAE System
Incident Date:	09/13/2016
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	No
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Rainbow Sheen
Quantity Released:	55 feet x 10 feet and 10 feet x 10 feet
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:	Caller states: There are two unknown sheens from unknown sources in the San Diego Bay. One sheen is 55 feet x 10 feet and the second sheen is 10 feet x 10 feet. The sheens are unrecoverable. The sheens are dissipating naturally.

HAZNET:

envid:	S106879063
Year:	2017
GEPAID:	CAC002902186
Contact:	C

SOUTHWEST MARINE INC (Continued) **S106879063**

Telephone: 8585226101
Mailing Name: Not reported
Mailing Address: 9444 BALBOA AVE
Mailing City,St,Zip: SAN DIEGO, CA 92123
Gen County: San Diego
TSD EPA ID: CA6170024289
TSD County: San Diego
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0365
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

envid: S106879063
Year: 2017
GEPAID: CAL000428137
Contact: CHARLES PARENTO
Telephone: 8585226101
Mailing Name: Not reported
Mailing Address: 9444 BALBOA AVE STE 400
Mailing City,St,Zip: SAN DIEGO, CA 921230000
Gen County: San Diego
TSD EPA ID: CA6170024289
TSD County: San Diego
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.086
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

envid: S106879063
Year: 2016
GEPAID: CAL000416419
Contact: EDWARD SMITH
Telephone: 5629832340
Mailing Name: Not reported
Mailing Address: 340 GOLDEN SHORE, STE 310
Mailing City,St,Zip: LONG BEACH, CA 908024229
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Oil/water separation sludge
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.919
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S106879063
Year: 2016

SOUTHWEST MARINE INC (Continued) **S106879063**

GEPAID:	CAL000416419
Contact:	EDWARD SMITH
Telephone:	5629832340
Mailing Name:	Not reported
Mailing Address:	340 GOLDEN SHORE, STE 310
Mailing City,St,Zip:	LONG BEACH, CA 908024229
Gen County:	San Diego
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.5
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S106879063
Year:	2016
GEPAID:	CAL000416419
Contact:	EDWARD SMITH
Telephone:	5629832340
Mailing Name:	Not reported
Mailing Address:	340 GOLDEN SHORE, STE 310
Mailing City,St,Zip:	LONG BEACH, CA 908024229
Gen County:	San Diego
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.65
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

A90 **ERNS 2017176088**
Target Property **2205 E BELT ST** **N/A**
SAN DIEGO, CA

Site 90 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1176088
Description of Incident:	CALLER IS REPORTING A RELEASE OF MOTOR OIL INTO SAN DIEGO BAY FROM A SMALL FLAT BED BOAT PROP FOR UNKNOWN REASONS.
Type of Incident:	VESSEL
Incident Cause:	UNKNOWN
Incident Date Time:	2017-04-19 10:30:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 E BELT ST
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA

(Continued) **2017176088**

Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1176088
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported

(Continued) **2017176088**

Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1176088
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N

(Continued) **2017176088**

Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	BOATS BEEN REMOVED FROM THE WATER AND TAKEN TO GET REPAIRS. SHEEN IS DISSIPATING NATURALLY.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	70
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	SILVERY
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported

(Continued) **2017176088**

Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	10
Sheen Size Length Units:	FEET
Sheen Size Width:	10
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1176088
Site ID:	20171176088
Date Time Received:	2017-04-19 14:04:42
Date Time Complete:	2017-04-19 14:10:15
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20171176088
Vessel Name:	N/A
Vessel Type:	OTHER
Vessel Number:	Not reported
Vessel Length:	20
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1176088
Chris Code:	OMT
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	2
Unit of Measure:	OUNCE(S)
Name of Material:	OIL, MISC: MOTOR
If Reached Water:	YES
Amount in Water:	2

(Continued) **2017176088**

Unit of Measure Reach Water: OUNCE(S)

A91 **CA CHMIRS** **S117332241**
Target Property **PIER 3 2205 EAST BELT ST** **N/A**
SAN DIEGO, CA

Site 91 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	4-5995
OES notification:	10/21/2014
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Unknown
Other:	Not reported
Date/Time:	1740
Year:	2014
Agency:	BAE Systems
Incident Date:	10/21/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown

(Continued) **S117332241**

Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil
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:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Caller states there is a rainbow sheen 8 Ft X 20 Ft inside the booms of USS Princeton. Caller states the source of the release is unknown and the oil is primarily contained inside the boom.

A92 **CA CHMIRS** **S113998794**
Target Property **BAE SYSTEMS 2205 BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 92 of 132 in cluster A

Actual: **18 ft.**

CHMIRS:

OES Incident Number:	13-1906
OES notification:	03/29/2013
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

(Continued) **S113998794**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Merchant/Business
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Oz.
Other:	Not reported
Date/Time:	1110
Year:	2013
Agency:	BAE Systems
Incident Date:	3/29/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Diesel Fuel
Quantity Released:	16
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 RP release occurred due to an equipment malfunction of diesel generator. Total release was approx. 5 gallons; 16 ounces entered the water.

A93 **SOUTHWEST MARINE, INC.** **CA HIST UST** **U001572997**
Target **2205 E BELT ST** **N/A**
Property **SAN DIEGO, CA 92113**

Site 93 of 132 in cluster A

Actual: **18 ft.**

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000036362
Facility Type:	Other
Other Type:	BOAT REPAIR
Contact Name:	DAVE BECHTEL

SOUTHWEST MARINE, INC. (Continued) **U001572997**

Telephone:	6192381000
Owner Name:	SOUTHWEST MARINE, INC.
Owner Address:	2205 BELT STREET
Owner City,St,Zip:	SAN DIEGO, CA 92113
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1983
Tank Capacity:	00009995
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00009900
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

A94 **ERNS 2011993543**
Target Property **2205 E. BELT STREET** **N/A**
SAN DIEGO, CA

Site 94 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	993543
Description of Incident:	CALLER STATED HYDRAULIC OIL (2135) RELEASED FROM THE USS GREEN BAY INTO THE WATER DUE TO A LEAK ONBOARD THE VESSEL.
Type of Incident:	VESSEL
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2011-10-25 11:20:00
Incident DTG:	OCCURRED
Incident Location:	BAE SYSTEMS SHIP YARD
Loaction Address:	2205 E. BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported

(Continued) **2011993543**

Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	993543
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported

(Continued) **2011993543**

Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	993543
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported

(Continued) **2011993543**

Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	SAN DIEGO HARBOR
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CLEANING UP OIL INSIDE OF THE SHIP, USING DIAPERS FOR CLEAN UP ON THE WATER.
State Agency on Scene:	NONE
State Agency Report Number:	NONE
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	70
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	CALLER HAD NO ADDITIONAL INFORMATION.
State Agency Notified:	NONE
Federal Agency Notified:	NONE
nearest River Mile Marker:	Not reported
Sheen Size Length:	80
Sheen Size Length Units:	FEET
Sheen Size Width:	4

(Continued) **2011993543**

Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:
NRC Report #: 993543
Site ID: 2011993543
Date Time Received: 2011-10-25 14:25:08
Date Time Complete: 2011-10-25 14:32:09
Call Type: INC
Responsible Company: USN USS GREENBAY
Responsible Org Type: MILITARY
Responsible City: SAN DIEGO
Responsible State: CA
Responsible Zip: 92113
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:
Site ID: 2011993543
Vessel Name: USS GREEN BAY
Vessel Type: MILITARY
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: UNITED STATES OF AMERICA
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:
NRC Report #: 993543
Chris Code: OHY
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 3
Unit of Measure: GALLON(S)
Name of Material: HYDRAULIC OIL
If Reached Water: YES
Amount in Water: 3
Unit of Measure Reach Water: GALLON(S)

A95 **CA CHMIRS** **S121504291**
Target Property **2205 EAST BELT ST**
SAN DIEGO, CA 92113 **N/A**

Site 95 of 132 in cluster A

Actual:
18 ft.

CHMIRS:

OES Incident Number:	18-0679
OES notification:	01/30/2018
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	1320
Year:	2018
Agency:	BAE Systems
Incident Date:	01/30/2018
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil, 30 ft-30 ft
Quantity Released:	unknown

(Continued) **S121504291**

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:	Caller states unknown sheen form an unknown source in San Diego Bay. No remedial actions have been taken. The source is under investigation and material is unrecoverable.

A96 **ERNS 2014077602**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 96 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1077602
Description of Incident:	THE CALLER IS REPORTING AN UNKNOWN SHEEN IN THE SAN DIEGO HARBOR, SOURCE OF THE SHEEN IS UNKNOWN AT THIS TIME. THIS IS A THIRD PARTY REPORT.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2014-03-24 13:50:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported

(Continued) **2014077602**

Potential Range:	N
Incidents:	
NRC Report #:	1077602
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported

(Continued) **2014077602**

Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1077602
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported

(Continued) **2014077602**

Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO HARBOR
Body of Water:	SAN DIEGO HARBOR
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	INVESTIGATION UNDERWAY, DISSIPATE NATURALLY.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	0 CALM
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	SHEEN: BLUEISH IN SOME AREAS.CALLER WILL NOTIFY CA EMA NEXT.
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	100
Sheen Size Length Units:	FEET
Sheen Size Width:	8
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1077602
Site ID:	20141077602
Date Time Received:	2014-03-24 17:11:54
Date Time Complete:	2014-03-24 17:16:29

(Continued) **2014077602**

Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1077602
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A97 **ERNS** **2014075604**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 97 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1075604
Description of Incident:	THE CALLER IS REPORTING AN UNKNOWN FUEL OIL INTO SAN DIEGO BAY. THE CALLER STATED THAT A HOSE WAS DISCOVERED FROM A "Y" VALVE AND THE "Y" VALVE WAS CRACKED WHICH CAUSED THE FUEL OIL TO LEAK ONTO THE DECK PAST SECONDARY CONTAINMENT.
Type of Incident:	VESSEL
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2014-03-03 08:20:00
Incident DTG:	DISCOVERED
Incident Location:	Not reported
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported

(Continued) **2014075604**

Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1075604
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	1 NORTH
Berth Slip Number:	Not reported

(Continued) **2014075604**

Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1075604
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported

(Continued) **2014075604**

Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	DEPLOYING A SMALL BOAT TO INVESTIGATE THE SHEEN, DISSIPATE NATURALLY, SECURED OPERATIONS.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	60
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	USN
nearest River Mile Marker:	Not reported
Sheen Size Length:	100
Sheen Size Length Units:	FEET
Sheen Size Width:	15
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

(Continued) **2014075604**

Calls:

NRC Report #:	1075604
Site ID:	20141075604
Date Time Received:	2014-03-03 12:10:13
Date Time Complete:	2014-03-03 12:17:49
Call Type:	INC
Responsible Company:	PACIFIC TANK CLEANING
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20141075604
Vessel Name:	USS MOBILE BAY
Vessel Type:	MILITARY
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1075604
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	10
Unit of Measure:	GALLON(S)
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	1
Unit of Measure Reach Water:	GALLON(S)

A98 **USS BRIDGE IMO# T-AOE10** **CA HAZNET** **S112954934**
Target **2205 E BELT ST** **N/A**
Property **SAN DIEGO, CA 92113**

Site 98 of 132 in cluster A

Actual:
18 ft.

HAZNET:

envid:	S112954934
Year:	2006
GEPAID:	CAC002605968
Contact:	CHRISTINA GRAULAU
Telephone:	6195246351
Mailing Name:	Not reported
Mailing Address:	937 N HARBOR DR
Mailing City,St,Zip:	SAN DIEGO, CA 92132
Gen County:	Not reported
TSD EPA ID:	CA6170024289
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Transfer Station
Tons:	0.96
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S112954934
Year:	2006
GEPAID:	CAC002605968
Contact:	CHRISTINA GRAULAU
Telephone:	6195246351
Mailing Name:	Not reported
Mailing Address:	937 N HARBOR DR
Mailing City,St,Zip:	SAN DIEGO, CA 92132
Gen County:	Not reported
TSD EPA ID:	CA6170024289
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Transfer Station
Tons:	0.93
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S112954934
Year:	2006
GEPAID:	CAC002605968
Contact:	CHRISTINA GRAULAU
Telephone:	6195246351
Mailing Name:	Not reported
Mailing Address:	937 N HARBOR DR
Mailing City,St,Zip:	SAN DIEGO, CA 92132
Gen County:	Not reported
TSD EPA ID:	CA6170024289
TSD County:	Not reported
Waste Category:	Paint sludge
Disposal Method:	Transfer Station
Tons:	0.11
Cat Decode:	Not reported
Method Decode:	Not reported

USS BRIDGE IMO# T-AOE10 (Continued) **S112954934**

Facility County: San Diego

envid: S112954934
Year: 2006
GEPAID: CAC002605968
Contact: CHRISTINA GRAULAU
Telephone: 6195246351
Mailing Name: Not reported
Mailing Address: 937 N HARBOR DR
Mailing City,St,Zip: SAN DIEGO, CA 92132
Gen County: Not reported
TSD EPA ID: CA6170024289
TSD County: Not reported
Waste Category: Liquids with pH <= 2
Disposal Method: Transfer Station
Tons: 0
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: S112954934
Year: 2006
GEPAID: CAC002605968
Contact: CHRISTINA GRAULAU
Telephone: 6195246351
Mailing Name: Not reported
Mailing Address: 937 N HARBOR DR
Mailing City,St,Zip: SAN DIEGO, CA 92132
Gen County: Not reported
TSD EPA ID: CA6170024289
TSD County: Not reported
Waste Category: Adhesives
Disposal Method: Transfer Station
Tons: 0.17
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

A99 **ERNS 2014081793**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 99 of 132 in cluster A

Actual: 18 ft.

Incident Commons:
NRC Report #: 1081793
Description of Incident: CALLER STATED AN UNKNOWN SHEEN WAS DISCOVERED ON SAN DIEGO BAY NEAR THEIR FACILITY.
Type of Incident: UNKNOWN SHEEN
Incident Cause: UNKNOWN
Incident Date Time: 2014-05-05 07:00:00
Incident DTG: DISCOVERED
Incident Location: UNKNOWN SHEEN INCIDENT
Loaction Address: 2205 EAST BELT STREET
Location Street 1: SAN DIEGO BAY

(Continued) **2014081793**

Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1081793
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U

(Continued) **2014081793**

Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1081793
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N

(Continued) **2014081793**

Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	ABSORBENTS APPLIED AND MOBILIZING CLEAN UP CREW
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	Not reported
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported

(Continued) **2014081793**

Additional Info:	CALLER STATED CAL EMA WILL BE CALLED NEXT.
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	30
Sheen Size Length Units:	FEET
Sheen Size Width:	10
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1081793
Site ID:	20141081793
Date Time Received:	2014-05-05 10:38:14
Date Time Complete:	2014-05-05 10:42:14
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1081793
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A100 **ERNS** **2014072181**
Target **2205 E. BELT ST.** **N/A**
Property **SAN DIEGO, CA**

Site 100 of 132 in cluster A

Actual:
18 ft.

Incident Commons:

NRC Report #:	1072181
Description of Incident:	THE CALLER IS REPORTING AN UNKNOWN SHEEN IN SAN DIEGO BAY, SOURCE IS UNKNOWN AT THIS TIME.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2014-01-26 11:17:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 E. BELT ST.

(Continued) **2014072181**

Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1072181
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE

(Continued) **2014072181**

Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1072181
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported

(Continued) **2014072181**

Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	INVESTIGATION UNDERWAY, MATERIAL IS UNRECOVERABLE, MATERIAL CONTAINED.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported

(Continued) **2014072181**

Sheen Size Units:	Not reported
Additional Info:	CALLER WILL NOTIFY CA EMA NEXT.
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	200
Sheen Size Length Units:	FEET
Sheen Size Width:	2
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1072181
Site ID:	20141072181
Date Time Received:	2014-01-26 16:16:47
Date Time Complete:	2014-01-26 16:22:16
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1072181
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A101 **SHIPYARD SEDIMENT SITE - NORTH SHIPYARD - BAE SYST** **FINDS** **1023361152**
Target **2205 EAST BELT STREET** **N/A**
Property **SAN DIEGO, CA 92113**

Site 101 of 132 in cluster A

Actual:
18 ft.

FINDS:

Registry ID: 110066583389

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.

SHIPYARD SEDIMENT SITE - NORTH SHIPYARD - BAE SYSTEMS (FORME (Continued) **1023361152**

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A102 **ERNS** **2017178135**
Target Property **2205 E BELT ST** **N/A**
SAN DIEGO, CA

Site 102 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1178135
Description of Incident:	CALLER REPORTED AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN THE SAN DIEGO BAY.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2017-05-12 09:30:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 E BELT ST
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1178135
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported

(Continued) **2017178135**

Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX

(Continued) **2017178135**

Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1178135
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	Not reported
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	UNKNOWN
Air Temperature:	Not reported

(Continued) **2017178135**

Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	30
Sheen Size Length Units:	FEET
Sheen Size Width:	5
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1178135
Site ID:	20171178135
Date Time Received:	2017-05-12 13:04:12
Date Time Complete:	2017-05-12 13:07:10
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1178135
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported

(Continued) **2017178135**

Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A103 **ERNS** **2013066508**
Target Property **2205 BELT STREET** **N/A**
SAN DIEGO, CA

Site 103 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1066508
Description of Incident:	CALLER IS REPORTING A STRUCTURE FIRE OF A FLOATING DRYDOCK, CALLER STATED THAT THE FIRE TURNED OUT TO BE A FIRE IN THE FILTER COLLECTION SYSTEM, THERE WAS A RELEASE OF THE FOLLOWING, SAND BLAST MATERIALS AND PAINT RELATED MATERIALS, CALLER ALSO STATED THAT THE FIREFIGHTING WATER WASHED THE MATERIALS DIRECTLY INTO THE BAY.
Type of Incident:	FIXED
Incident Cause:	OTHER
Incident Date Time:	2013-11-21 10:26:00
Incident DTG:	OCCURRED
Incident Location:	BAE SW MARINE
Loaction Address:	2205 BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1066508
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported

(Continued) **2013066508**

Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	OTHER
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported

(Continued) **2013066508**

CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1066508
Fire Involved:	Y
Fire Extinguished:	Y
Any Evacuations:	U
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	Y
Number Injured:	16
Number Hospitalized:	16
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	LOCAL FIRE DEPARTMENT IS ONSCENE

(Continued) **2013066508**

State Agency on Scene:	LOCAL FIRE, HARBOR POLICE
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	RAINY
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	VARIOUS MATERIALS
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	LOCAL FIRE, HARBOR POLICE, DEH
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1066508
Site ID:	20131066508
Date Time Received:	2013-11-21 16:27:11
Date Time Complete:	2013-11-21 16:38:08
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

(Continued) **2013066508**

Material Involved:

NRC Report #:	1066508
Chris Code:	NCC
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	PAINT
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

NRC Report #:	1066508
Chris Code:	NCC
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	SANDBLAST MATERIAL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

NRC Report #:	1066508
Chris Code:	NCC
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	LEAD
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

NRC Report #:	1066508
Chris Code:	ARX
Case Number:	007440-38-2
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	ARSENIC
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

NRC Report #:	1066508
Chris Code:	NCC
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	FIRE FIGHTING WATER (AFFF)
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A104 **BAE SYSTEMS SAN DIEGO SHIP REPAIR** **FINDS** **1023220413**
Target Property **2205 EAST BELT** **N/A**
SAN DIEGO, CA 92113

Site 104 of 132 in cluster A

Actual: 18 ft.

FINDS:

Registry ID: 110065066984

Environmental Interest/Information System
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A105 **CA CHMIRS** **S116779072**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA

Site 105 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	4-2569
OES notification:	05/05/2014
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:	Yes
Waterway:	SAN DIEGO BAY
Spill Site:	Waterways
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

(Continued) **S116779072**

Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	700
Year:	2014
Agency:	BAE Systems
Incident Date:	5/5/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	SAN DIEGO BAY
E Date:	Not reported
Substance:	Unknown Petroleum
Quantity Released:	30ft x 10ft
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:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Per NRC "CALLER STATED AN UNKNOWN SHEEN WAS DISCOVERED ON SAN DIEGO BAY NEAR THEIR FACILITY. REMEDIAL ACTIONS: ABSORBENTS APPLIED AND MOBILIZING CLEAN UP CREW"

A106 **ERNS** **2015106330**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 106 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1106330
Description of Incident:	CALLER IS REPORTING A RELEASE OF BALLAST COMPENSATING WATER FROM A VESSELS FUEL TANK DUE TO THE PLUG BLOWING CAUSING THE MATERIAL TO RELEASE TO THE BAY.
Type of Incident:	VESSEL
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2015-01-22 10:00:00
Incident DTG:	OCCURRED
Incident Location:	SHIPYARD
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA

(Continued) **2015106330**

Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1106330
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported

(Continued) **2015106330**

Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1106330
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N

(Continued) **2015106330**

Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	AREA WAS PRE-BOOMED, SHIP DEPLOYED SORBENT PADS, SHEEN IS DISSIPATING.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	65
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	SILVERY
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	0 CALM
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported

(Continued) **2015106330**

nearest River Mile Marker:	Not reported
Sheen Size Length:	40
Sheen Size Length Units:	FEET
Sheen Size Width:	30
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1106330
Site ID:	20151106330
Date Time Received:	2015-01-22 13:17:03
Date Time Complete:	2015-01-22 13:26:21
Call Type:	INC
Responsible Company:	US NAVY- USS DECATOR
Responsible Org Type:	MILITARY
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20151106330
Vessel Name:	USS DECATOR
Vessel Type:	MILITARY
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	STEEL HULL
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1106330
Chris Code:	OTH
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	25
Unit of Measure:	GALLON(S)
Name of Material:	COMPENSATING WATER (2%OIL, 98% WATER)
If Reached Water:	YES
Amount in Water:	25
Unit of Measure Reach Water:	GALLON(S)

A107 **CA CHMIRS** **S109037379**
Target Property **2205 E. BELT ST. PIERS 1 & 2** **N/A**
SAN DIEGO, CA

Site 107 of 132 in cluster A

Actual: **18 ft.**

CHMIRS:

OES Incident Number:	6-5847
OES notification:	10/01/2006
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:	San Diego Bay
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:	2006
Agency:	BAE Systems San Diego Ship repair
Incident Date:	10/1/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Unknown oil
Gallons:	0.000000
Sheen:	5
Unknown:	0
Substance #2:	Not reported

(Continued) **S109037379**

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:	Sheen is around the facility under the piers, cause is unknown and currently under investigation. The sheen is contained within booms and pads.

A108 **CORRPRO COMPANIES INC** **CA HIST UST** **S112978403**
Target **2205 BELT ST** **CA CHMIRS** **N/A**
Property **SAN DIEGO, CA 92113** **CA HAZNET**

Site 108 of 132 in cluster A

Actual:
18 ft.

HIST UST:

File Number:	0002F34A
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F34A.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

Click here for Geo Tracker PDF:

CHMIRS:

OES Incident Number:	4-0492
OES notification:	01/26/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported

CORRPRO COMPANIES INC (Continued) **S112978403**

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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	1117
Year:	2014
Agency:	BAE Systems
Incident Date:	1/26/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil, Rainbow Colored
Quantity Released:	200 feet by 2 feet
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

CORRPRO COMPANIES INC (Continued) **S112978403**

#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Caller states an unknown sheen was discovered in San Diego Bay from an unknown source. In addition, caller states the sheen is contained within their security boom and a technician is en route to investigate.

HAZNET:

envid:	S112978403
Year:	2009
GEPAID:	CAC002643148
Contact:	RICHARD FLORES
Telephone:	6192351718
Mailing Name:	Not reported
Mailing Address:	3460 MAIN ST
Mailing City,St,Zip:	SAN DIEGO, CA 921133803
Gen County:	Not reported
TSD EPA ID:	ARD981057870
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.3672
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S112978403
Year:	2009
GEPAID:	CAC002643148
Contact:	RICHARD FLORES
Telephone:	6192351718
Mailing Name:	Not reported
Mailing Address:	3460 MAIN ST
Mailing City,St,Zip:	SAN DIEGO, CA 921133803
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.2
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S112978403
Year:	2009
GEPAID:	CAC002643148
Contact:	RICHARD FLORES
Telephone:	6192351718
Mailing Name:	Not reported
Mailing Address:	3460 MAIN ST
Mailing City,St,Zip:	SAN DIEGO, CA 921133803

CORRPRO COMPANIES INC (Continued) **S112978403**

Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.9
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego
envid:	S112978403
Year:	2009
GEPAID:	CAC002643148
Contact:	RICHARD FLORES
Telephone:	6192351718
Mailing Name:	Not reported
Mailing Address:	3460 MAIN ST
Mailing City,St,Zip:	SAN DIEGO, CA 921133803
Gen County:	Not reported
TSD EPA ID:	ARD981057870
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.03
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

A109 **AMSEC LLC (BAE SYSTEMS SAN DIEGO, CA)** **ECHO** **1024152724**
Target Property **2205 BELT ST** **N/A**
SAN DIEGO, CA 92113

Site 109 of 132 in cluster A

Actual: 18 ft.

ECHO:

Envid:	1024152724
Registry ID:	110070260405
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070260405

A110 **CA CHMIRS** **S112829804**
Target Property **2205 EAST BELT STREET (AT THE FOOT OF SAMPSON STREET)** **N/A**
SAN DIEGO, CA 92113

Site 110 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	12-4870
OES notification:	08/17/2012
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

(Continued) **S112829804**

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:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	844
Year:	2012
Agency:	BAE Systems S.D. Ship Repair
Incident Date:	8/17/2012
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Sheen
Quantity Released:	30’ x 20’
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 an unknown sheen from an

(Continued) **S112829804**

unknown source. Caller states a vessel just recently left the pier but that is not confirmed to be the source of the sheen. Caller also states the sheen is turning from rainbow color to grey, and is dissipating naturally.

A111 **CA CHMIRS** **S118465368**
Target Property **2205 E BELT ST** **N/A**
SAN DIEGO, CA 92113

Site 111 of 132 in cluster A

Actual: **18 ft.**

CHMIRS:

OES Incident Number:	15-6427
OES notification:	10/30/2015
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
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	1145
Year:	2015
Agency:	BAE Systems
Incident Date:	10/30/2015

(Continued) **S118465368**

Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Oil Sheen
Quantity Released:	5ft x 15ft / 1 Gallon
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:	Caller is reporting the large wake of a USS vessel being towed through the area caused the outboard motor of a small pontoon vessel to fall off of the vessel into the water and the depths below discharging its contents. Outboard motor only, no fuel tanks. Divers dispatched into the water to recover the boat motor. Sheen is naturally dissipating.

A112 **ERNS 2012009002**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 112 of 132 in cluster A

Actual: **18 ft.**

Incident Commons:

NRC Report #:	1009002
Description of Incident:	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE AT THEIR FACILITY.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2012-04-18 08:30:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported

(Continued) **2012009002**

Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1009002
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported

(Continued) **2012009002**

Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1009002
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported

(Continued) **2012009002**

Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	WALKED THE DOCKS AND PLACED A BOAT IN THE WATER TO INVESTIGATE THE SHEEN, TRIED TO PLACE A PAD ON THE SHEEN BUT WAS UNSUCCESSFUL
State Agency on Scene:	NONE
State Agency Report Number:	NONE
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	70
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	N
Sheen Size:	Not reported
Sheen Color:	GRAYISH
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	NONE PROVIDED
State Agency Notified:	NONE
Federal Agency Notified:	NONE
nearest River Mile Marker:	Not reported
Sheen Size Length:	200
Sheen Size Length Units:	FEET
Sheen Size Width:	20
Sheen Size Width Units:	FEET

(Continued) **2012009002**

Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:
NRC Report #: 1009002
Site ID: 20121009002
Date Time Received: 2012-04-18 12:10:07
Date Time Complete: 2012-04-18 12:14:10
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: UNKNOWN
Responsible City: Not reported
Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Material Involved:
NRC Report #: 1009002
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: UNKNOWN OIL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

A113 **ERNS** **2013053865**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 113 of 132 in cluster A

Actual: 18 ft.

Incident Commons:
NRC Report #: 1053865
Description of Incident: CALLER IS REPORTING A RELEASE OF MIXTURE OF GASOLINE AND LUBE OIL FROM AN OUTBOARD TWO STROKE MOTOR ON A WORK VESSEL DUE TO AN EQUIPMENT FAILURE (THE MOTOR WAS LEAKING).
Type of Incident: VESSEL
Incident Cause: EQUIPMENT FAILURE
Incident Date Time: 2013-07-15 07:15:00
Incident DTG: OCCURRED
Incident Location: SHIP YARD
Loaction Address: 2205 EAST BELT STREET
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SAN DIEGO
Location State: CA
Location County: SAN DIEGO
Location Zip: 92113
Distance From City: Not reported

(Continued) **2013053865**

Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1053865
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported

(Continued) **2013053865**

Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1053865
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported

(Continued) **2013053865**

Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	SAN DEIGO BAY
Body of Water:	SAN DEIGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CALLER STATES THEY REMOVING THE OUTBOARD MOTOR TO MAKE REPAIRS AND THE MATERIAL IS DISSIPATING NATURALLY.
State Agency on Scene:	Not reported
State Agency Report Number:	13-4336
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	68
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	0 CALM
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	EMA
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	6

(Continued) **2013053865**

Sheen Size Length Units:	FEET
Sheen Size Width:	5
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1053865
Site ID:	20131053865
Date Time Received:	2013-07-15 10:53:50
Date Time Complete:	2013-07-15 10:58:04
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20131053865
Vessel Name:	UNKNOWN
Vessel Type:	OTHER
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1053865
Chris Code:	OTH
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	1
Unit of Measure:	OUNCE(S)
Name of Material:	MIXTURE OF GASOLINE AND LUBE OIL
If Reached Water:	YES
Amount in Water:	1
Unit of Measure Reach Water:	OUNCE(S)

A114 **CA CHMIRS** **S118190662**
Target Property **2205 E. BELT ST., PIER 3 NORTH**
SAN DIEGO, CA 92113 **N/A**

Site 114 of 132 in cluster A

Actual:
18 ft.

CHMIRS:

OES Incident Number:	15-5304
OES notification:	09/09/2015
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
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	1330
Year:	2015
Agency:	NRC
Incident Date:	09/09/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil
Quantity Released:	20 Feet x 40 Feet

(Continued) **S118190662**

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:	According to NRC 1128029, "The caller is reporting that there is a sheen on the water coming from a boat due to unknown reasons. Sheen size is approx 20 feet by 40 feet with a rainbow color to it. The boat has been removed from the water, booms have been applied as well as absorbents. A contractor has been hired."

A115 **CA CHMIRS** **S116778307**
Target Property **2205 E BELT ST** **N/A**
SAN DIEGO, CA 92113

Site 115 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	4-1762
OES notification:	03/24/2014
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

(Continued) **S116778307**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Harbor
Spill Site:	Ship/Harbor/Port
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1350
Year:	2014
Agency:	BAE Systems
Incident Date:	3/24/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Harbor
E Date:	Not reported
Substance:	Oil
Quantity Released:	2
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:	Unknown
Fatals:	No
Comments:	Not reported
Description:	RP states that a sheen was observed on the water and has since dissipated. Booms around vessel contained sheen. Release was unrecoverable. NRC# 1077602, no new information.

A116 **NASSCO** **CA CHMIRS** **S113170952**
Target **2205 EAST BELT PIER 4** **CA HAZNET** **N/A**
Property **SAN DIEGO, CA 92170**

Site 116 of 132 in cluster A

Actual: **18 ft.**

CHMIRS:

OES Incident Number:	15-3113
OES notification:	06/03/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**

NASSCO (Continued) **S113170952**

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:	Yes
Waterway:	San Diego Bay waters
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	845
Year:	2015
Agency:	BAE Systems
Incident Date:	06/03/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay waters
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	5
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

NASSCO (Continued) **S113170952**

#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP stated, a vessel released Hydraulic Oil from their port. Vessel leaked less than 5 gallons of Hydraulic Oil into the San Diego Bay waters. Responsible party towed vessel back to their port which is located next door to RP.

HAZNET:

envid:	S113170952
Year:	2001
GEPAID:	CAP000098780
Contact:	Michael Chee
Telephone:	6195447778
Mailing Name:	Not reported
Mailing Address:	PO BOX 85278 M S 22a
Mailing City,St,Zip:	San Diego, CA 921865278
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0.1
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

A117 **ERNS** **2015128029**
Target Property **2205 E. BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 117 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1128029
Description of Incident:	THE CALLER IS REPORTING THAT THERE IS A SHEEN ON THE WATER COMING FROM A BOAT DUE TO UNKNOWN REASONS.
Type of Incident:	VESSEL
Incident Cause:	UNKNOWN
Incident Date Time:	2015-09-09 13:30:00
Incident DTG:	OCCURRED
Incident Location:	Not reported
Loaction Address:	2205 E. BELT ST.
Location Street 1:	PIER 3 NORTH
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported

(Continued) **2015128029**

Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1128029
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported

(Continued) **2015128029**

Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1128029
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported

(Continued) **2015128029**

Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	REMOVED BOAT FROM WATER, BOOMS APPLIED, ABSORBENTS APPLIED, CONTRACTOR HAS BEEN HIRED.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	SUNNY
Air Temperature:	80
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	20
Sheen Size Length Units:	FEET
Sheen Size Width:	40
Sheen Size Width Units:	FEET

(Continued) **2015128029**

Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:
NRC Report #: 1128029
Site ID: 20151128029
Date Time Received: 2015-09-09 19:17:11
Date Time Complete: 2015-09-09 19:30:59
Call Type: INC
Responsible Company: R.E. STAITE
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: SAN DIEGO
Responsible State: CA
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:
Site ID: 20151128029
Vessel Name: JOHN DRAKE
Vessel Type: TUG
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: STEEL HULL
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: Not reported
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:
NRC Report #: 1128029
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: UNKNOWN OIL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

A118 **CA CHMIRS** **S110423534**
Target Property **PIER 1 NORTH, 2205 EAST BELT ST, FOOT OF SAMPSON SAN DIEGO, CA 92113** **N/A**

Site 118 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	08-1293
OES notification:	02/13/2008
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	0922
Year:	2008
Agency:	BAE systems San Diego Ship Repair
Incident Date:	2/13/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Diesel
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

(Continued) **S110423534**

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:	RP states that during routine maintenance on the CMM Veracruz that a valve malfunctioned causing a release of approximately 25 gallons, of which less than one gallon went into the San Diego Bay.

A119 **ERNS 2014103871**
Target Property **2205 EAST BELT ST.** **N/A**
SAN DIEGO, CA 92113

Site 119 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1103871
Description of Incident:	THE CALLER REPORTED THAT A VESSEL CAPSIZED WHILE BEING MOVED IN THE PIER AND DISCHARGED .5 GALLON OF GASOLINE INTO SAN DIEGO BAY.
Type of Incident:	VESSEL
Incident Cause:	OTHER
Incident Date Time:	2014-12-19 06:00:00
Incident DTG:	OCCURRED
Incident Location:	BAE SYSTEMS SAN DIEGO SHIP REPAIR
Loaction Address:	2205 EAST BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1103871

(Continued) **2014103871**

Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported

(Continued) **2014103871**

Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1103871
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER

(Continued) **2014103871**

Additional Medium Info:	/ SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	SORBENTS DEPLOYED FOR CONTAINMENT., IN PROCESS OF UPRIGHTING THE VESSEL
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	OTHER
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	1
Sheen Size Length Units:	INCHES
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1103871
Site ID:	20141103871
Date Time Received:	2014-12-19 11:02:36
Date Time Complete:	2014-12-19 11:09:55
Call Type:	INC
Responsible Company:	Not reported

(Continued) **2014103871**

Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20141103871
Vessel Name:	UNKNOWN
Vessel Type:	OTHER
Vessel Number:	Not reported
Vessel Length:	6
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported
Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	Not reported
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1103871
Chris Code:	GAS
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0.5
Unit of Measure:	GALLON(S)
Name of Material:	GASOLINE: AUTOMOTIVE (UNLEADED)
If Reached Water:	YES
Amount in Water:	0.5
Unit of Measure Reach Water:	GALLON(S)

A120 **ERNS** **2017183300**
Target Property **2205 EAST BELT STREET** **N/A**
SAN DIEGO, CA 92113

Site 120 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1183300
Description of Incident:	CALLER IS REPORTING THE DISCOVERY OF AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE BEHIND THEIR FACILITY; THE SHEEN IS APPROXIMATELY 300 FEET BY 10 FEET AND RAINBOW IN COLOR.
Type of Incident:	UNKNOWN SHEEN
Incident Cause:	UNKNOWN
Incident Date Time:	2017-07-06 16:15:00
Incident DTG:	DISCOVERED
Incident Location:	UNKNOWN SHEEN INCIDENT
Loaction Address:	2205 EAST BELT STREET

(Continued) **2017183300**

Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1183300
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE

(Continued) **2017183300**

Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1183300
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported

(Continued) **2017183300**

Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	UNKNOWN SHEEN SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	PACIFIC OCEAN
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	SHEEN IS CONTAINED WITHIN A BOOMED AREA.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	75
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported

(Continued) **2017183300**

Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	300
Sheen Size Length Units:	FEET
Sheen Size Width:	10
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1183300
Site ID:	20171183300
Date Time Received:	2017-07-06 20:03:42
Date Time Complete:	2017-07-06 20:06:41
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1183300
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A121 **CA CHMIRS** **S118465773**
Target **2205 E. BELT ST** **N/A**
Property **SAN DIEGO, CA**

Site 121 of 132 in cluster A

Actual:
18 ft.

CHMIRS:

OES Incident Number:	15-6852
OES notification:	11/20/2015
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

(Continued) **S118465773**

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:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Oz.
Other:	Not reported
Date/Time:	840
Year:	2015
Agency:	BAE Systems
Incident Date:	11/20/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Salt Water/Residual Fuel Mixture
Quantity Released:	17
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

(Continued) **S118465773**

Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	PER THE CALLER AND NRC REPORT: A WORKER WAS DOING MAINTENANCE ON A COMP WATER VALVE PIPE SYSTEM ON BOARD THE VESSEL. WHEN THE SYSTEM WAS CHARGED APPROXIMATELY 16 OUNCES DISCHARGED ONTO THE DECK OF THE SHIP AND 1 OUNCE INTO THE BAY CAUSING A SHEEN. .

A122 **CA CHMIRS** **S118190658**
Target Property **2205 EAST BELT ST, PIER 3 NORTH** **N/A**
SAN DIEGO, CA 92113

Site 122 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	15-5300
OES notification:	09/09/2015
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
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:	Yes
Waterway:	San Diego Bay
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported

(Continued) **S118190658**

Date/Time:	1330
Year:	2015
Agency:	BAE Systems
Incident Date:	09/09/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Oil
Quantity Released:	20ft x50ft
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: Calling on behalf of responsible party, the small boat John Drake caused a sheen and it has now been removed from the water.

A123 **CA CHMIRS** **S111753206**
Target Property **2205 BELT ST AT PIER 3 SOUTH**
SAN DIEGO, CA 92113 **N/A**

Site 123 of 132 in cluster A

Actual: 18 ft.

CHMIRS:

OES Incident Number:	1-0566
OES notification:	01/28/2011
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

(Continued) **S111753206**

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:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1615
Year:	2011
Agency:	BAE System
Incident Date:	1/28/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Oily Waste
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:	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 states a sheen is in the boomed area of a ship. Sheen size is 50 Ft X 30 Ft. Sheen color is a light rainbow with some brown debris. Caller stated vessel was larger than 15,000 tons

A124 **ERNS** **2013040912**
Target Property **2205 E. BELT ST.**
SAN DIEGO, CA 92113 **N/A**

Site 124 of 132 in cluster A

Actual: 18 ft.

Incident Commons:

NRC Report #:	1040912
Description of Incident:	CALLER IS REPORTING THAT CONTAMINATED SOIL ON A CONSTRUCTION SITE HAS CAUSED A SHEEN IN SAN DIEGO BAY.
Type of Incident:	FIXED
Incident Cause:	UNKNOWN
Incident Date Time:	2013-03-13 06:40:00
Incident DTG:	DISCOVERED
Incident Location:	Not reported
Loaction Address:	2205 E. BELT ST.
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1040912
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	OTHER
Power Generating Facility:	N
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U

(Continued) **2013040912**

Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

(Continued) **2013040912**

Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1040912
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	BOOMS APPLIED, ABSORBENTS APPLIED, EXCAVATED SOIL.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	DARK BROWN
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported

(Continued) **2013040912**

Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	Not reported
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	30
Sheen Size Length Units:	FEET
Sheen Size Width:	10
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1040912
Site ID:	20131040912
Date Time Received:	2013-03-13 10:08:55
Date Time Complete:	2013-03-13 10:14:00
Call Type:	INC
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1040912
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A125 **ERNS** **2012032378**
Target **2205 EAST BELT STREET** **N/A**
Property **SAN DIEGO, CA 92113**

Site 125 of 132 in cluster A

Actual:
18 ft.

Incident Commons:

NRC Report #:	1032378
Description of Incident:	////////THIS IS A DRILL////////// CALLER IS REPORTING A DISCHARGE OF BILGE WATER FROM A US NAVY SHIP DUE TO A RUPTURE ON THE OVER-WATER TRANSFER HOSES.
Type of Incident:	VESSEL
Incident Cause:	EQUIPMENT FAILURE
Incident Date Time:	2012-12-05 09:20:00
Incident DTG:	OCCURRED
Incident Location:	PIER 3 SOUTH
Loaction Address:	2205 EAST BELT STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SAN DIEGO
Location State:	CA
Location County:	SAN DIEGO
Location Zip:	92113
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N

Incidents:

NRC Report #:	1032378
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported

(Continued) **2012032378**

DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	3
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported

(Continued) **2012032378**

Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1032378
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	SAN DIEGO BAY
Body of Water:	SAN DIEGO BAY
Tributary of:	Not reported
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	CALLER STATES THEY ARE CURRENTLY INVESTIGATING AND THE SOURCE WAS SECURED.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	GRAYISH
Direction of Sheen Travel:	Not reported

(Continued) **2012032378**

Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	////////THIS IS A DRILL///////// CALLER WILL NOTIFY THE UNITED STATES COAST GUARD (USCG), CA. STATE LAND COMMISSIONS, EMERGENCY MANAGEMENT AGENCY (EMA) AND FISH & GAME.
State Agency Notified:	EMA
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	150
Sheen Size Length Units:	FEET
Sheen Size Width:	75
Sheen Size Width Units:	FEET
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1032378
Site ID:	20121032378
Date Time Received:	2012-12-05 12:55:50
Date Time Complete:	2012-12-05 13:00:11
Call Type:	DRL
Responsible Company:	BAE SYSTEMS
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	SAN DIEGO
Responsible State:	CA
Responsible Zip:	92113
On Behalf:	Not reported
Source:	TELEPHONE

Vessels Detail:

Site ID:	20121032378
Vessel Name:	USS NEVER SAIL
Vessel Type:	MILITARY
Vessel Number:	Not reported
Vessel Length:	Not reported
Hull Construction:	Not reported
Fuel Capacity:	Not reported
Fuel on Board:	Not reported

(Continued) **2012032378**

Cargo Capacity:	Not reported
Cargo on Board:	Not reported
Is Vessel Aground:	N
Flag:	UNITED STATES OF AMERICA
Breadth:	Not reported
Draught:	Not reported
Fuel Capacity Units:	Not reported
Fuel on Board Units:	Not reported
Cargo Capacity Units:	Not reported
Cargo on Board Units:	Not reported

Material Involved:

NRC Report #:	1032378
Chris Code:	NCC
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	100
Unit of Measure:	GALLON(S)
Name of Material:	BILGE WATER
If Reached Water:	YES
Amount in Water:	100
Unit of Measure Reach Water:	GALLON(S)

A126 **HARBOR BOAT AND TUG** **CA ENVIROSTOR** **1000175734**
2145 BELT ST **CA LUST** **N/A**
< 1/8 **SAN DIEGO, CA 92113** **CA CPS-SLIC**
1 ft. **CA AST**
Site 126 of 132 in cluster A **CA SWEEPS UST**
CA HIST UST

Relative:
Higher

Actual:
22 ft.

ENVIROSTOR:

Facility ID:	71002765
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Cypress
Assembly:	80
Senate:	40
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.69376
Longitude:	-117.1443
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED

HARBOR BOAT AND TUG (Continued) **1000175734**

Potential Description: NONE SPECIFIED
Alias Name: CAD981379415
Alias Type: EPA Identification Number
Alias Name: 71002765
Alias Type: Envirostor ID Number

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

Facility ID: 37000031
Status: Refer: 1248 Local Agency
Status Date: 01/23/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 79
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.69411
Longitude: -117.1450
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37000031
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 01/23/2001
Comments: SB 1248 San Diego County

HARBOR BOAT AND TUG (Continued) **1000175734**

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

LUST:
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301155
Global Id: T0607301155
Latitude: 32.6940680760209
Longitude: -117.145183457416
Status: Completed - Case Closed
Status Date: 05/16/1989
Case Worker: Not reported
RB Case Number: 9UT239
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H02377-001
Potential Media Affect: Soil
Potential Contaminants of Concern: Alcohols
Site History: Not reported

LUST:
Global Id: T0607301155
Action Type: Other
Date: 11/20/1985
Action: Leak Reported

Global Id: T0607301155
Action Type: Other
Date: 11/20/1985
Action: Leak Began

Global Id: T0607301155
Action Type: Other
Date: 11/20/1985
Action: Leak Stopped

Global Id: T0607301155
Action Type: Other
Date: 11/20/1985
Action: Leak Discovery

LUST:
Global Id: T0607301155
Status: Completed - Case Closed
Status Date: 05/16/1989

Global Id: T0607301155
Status: Open - Case Begin Date
Status Date: 11/20/1985

HARBOR BOAT AND TUG (Continued) **1000175734**

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301188
Global Id:	T0607301188
Latitude:	32.6940608526303
Longitude:	-117.145372284669
Status:	Completed - Case Closed
Status Date:	09/28/1988
Case Worker:	Not reported
RB Case Number:	9UT2423
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H02377-002
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Kerosene
Site History:	Not reported

LUST:

Global Id:	T0607301188
Action Type:	Other
Date:	07/21/1987
Action:	Leak Discovery

Global Id:	T0607301188
Action Type:	Other
Date:	07/21/1987
Action:	Leak Reported

Global Id:	T0607301188
Action Type:	Other
Date:	07/21/1987
Action:	Leak Began

Global Id:	T0607301188
Action Type:	Other
Date:	07/21/1987
Action:	Leak Stopped

LUST:

Global Id:	T0607301188
Status:	Completed - Case Closed
Status Date:	09/28/1988

Global Id:	T0607301188
Status:	Open - Case Begin Date
Status Date:	07/21/1987

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/13/2010
Global Id:	T0608138779
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-005
Latitude:	32.6941256401916
Longitude:	-117.145219083762

HARBOR BOAT AND TUG (Continued) **1000175734**

Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/19/2018
Global Id:	T0608163856
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-010
Latitude:	32.6939540492112
Longitude:	-117.145253419876
Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	This case is a duplicate of VAP Case H38979-001 and involved a diesel fuel contamination leak associated with a 68,000 gallon diesel AST. VAP Case H38979-001 was closed in 12-2001. Please see that case for more information.

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/26/1992
Global Id:	T0608179993
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-003
Latitude:	32.6939224475558
Longitude:	-117.14529633522
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/15/1995
Global Id:	T0608117074
Lead Agency:	SAN DIEGO COUNTY LOP

HARBOR BOAT AND TUG (Continued) **1000175734**

Lead Agency Case Number:	H02377-007
Latitude:	32.6939495346896
Longitude:	-117.145231962204
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/20/1996
Global Id:	T0608151729
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-008
Latitude:	32.6939495346896
Longitude:	-117.145103216171
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/15/2004
Global Id:	T0608126802
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-009
Latitude:	32.6939089039858
Longitude:	-117.145248055458
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/15/2004
Global Id:	T0608151998
Lead Agency:	SAN DIEGO COUNTY LOP

HARBOR BOAT AND TUG (Continued) **1000175734**

Lead Agency Case Number:	H02377-006
Latitude:	32.6939450201679
Longitude:	-117.145108580589
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/21/1993
Global Id:	T0608119278
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H02377-004
Latitude:	32.6940669121747
Longitude:	-117.145274877548
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

AST:

Certified Unified Program Agencies:	Not reported
Owner:	Ray Carpenter
Total Gallons:	Not reported
CERSID:	10622437
Facility ID:	37-000-001941
Business Name:	R E STAITE ENGINEERING
Phone:	(619)233-0178
Fax:	Not reported
Mailing Address:	2145 E. BELT ST
Mailing Address City:	SAN DIEGO
Mailing Address State:	CA
Mailing Address Zip Code:	92113
Operator Name:	RAY CARPENTER/KATHA CARPENTER/Walt Jellison
Operator Phone:	(619)233-0178
Owner Phone:	(619)233-0178
Owner Mail Address:	2145 E Belt St
Owner State:	CA
Owner Zip Code:	92113
Owner Country:	United States
Property Owner Name:	KELCO CO
Property Owner Phone:	(619)595-5000
Property Owner Mailing Address:	123 N WACKER DR #20
Property Owner City:	San Diego

HARBOR BOAT AND TUG (Continued) **1000175734**

Property Owner Stat : CA
Property Owner Zip Code: 92113
Property Owner Country: United States
EPAID: CAL000366557

SWEEPS UST:
Status: Active
Comp Number: 2377
Number: 9
Board Of Equalization: 44-021680
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000006
Tank Status: A
Capacity: 11000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: 5

Status: Active
Comp Number: 2377
Number: 9
Board Of Equalization: 44-021680
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000007
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 2377
Number: 9
Board Of Equalization: 44-021680
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002377-000008
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

HARBOR BOAT AND TUG (Continued) **1000175734**

Status:	Active
Comp Number:	2377
Number:	9
Board Of Equalization:	44-021680
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002377-000009
Tank Status:	A
Capacity:	8000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2377
Number:	9
Board Of Equalization:	44-021680
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002377-000010
Tank Status:	A
Capacity:	11000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2377
Number:	Not reported
Board Of Equalization:	44-021680
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002377-000001
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	5

Status:	Not reported
Comp Number:	2377
Number:	Not reported
Board Of Equalization:	44-021680
Referral Date:	Not reported
Action Date:	Not reported

HARBOR BOAT AND TUG (Continued) **1000175734**

Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002377-000002
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2377
Number:	Not reported
Board Of Equalization:	44-021680
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002377-000003
Tank Status:	Not reported
Capacity:	15000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2377
Number:	Not reported
Board Of Equalization:	44-021680
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002377-000004
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2377
Number:	Not reported
Board Of Equalization:	44-021680
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002377-000005
Tank Status:	Not reported
Capacity:	3000
Active Date:	Not reported

HARBOR BOAT AND TUG (Continued) **1000175734**

Tank Use: CHEMICAL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 0002B5E6
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B5E6.pdf
Region: STATE
Facility ID: 00000001334
Facility Type: Other
Other Type: KELP PROCESSING AND
Contact Name: R. M. KULAKOW, PLANT MANAGER
Telephone: 6192924900
Owner Name: KELCO, DIV. MERCK & CO., INC.
Owner Address: 8355 AERO DRIVE
Owner City,St,Zip: SAN DIEGO, CA 92123
Total Tanks: 0010

Tank Num: 001
Container Num: B 1
Year Installed: 1943
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: G 1
Year Installed: 1982
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 5/16
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: IPA 1
Year Installed: 1947
Tank Capacity: 00015000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: Visual, Stock Inventor

Tank Num: 004
Container Num: IPA 2
Year Installed: 1947
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 5/16
Leak Detection: Visual, Stock Inventor

Tank Num: 005
Container Num: IPA 3

HARBOR BOAT AND TUG (Continued) **1000175734**

Year Installed:	1947
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	None

Tank Num:	006
Container Num:	PO 1
Year Installed:	1970
Tank Capacity:	00011000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	PO 2
Year Installed:	1969
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	008
Container Num:	PO 3
Year Installed:	1960
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	009
Container Num:	PO 4
Year Installed:	1960
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	010
Container Num:	PO 5
Year Installed:	1974
Tank Capacity:	00011000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

A127 **KELCO DIVISION OF MERCK & CO., INC.** **SEMS-ARCHIVE** **1003879832**
2145 EAST BELT **CAD983658436**
< 1/8 **SAN DIEGO, CA 92113**
1 ft.

Site 127 of 132 in cluster A

Relative: Higher

Actual: 22 ft.

SEMS Archive:

Site ID:	904769
EPA ID:	CAD983658436
Cong District:	44
FIPS Code:	6073
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information
Latitude:	32.691527999999998
Longitude:	-117.13375000000001

SEMS Archive Detail:

Region:	9
Site ID:	904769
EPA ID:	CAD983658436
Site Name:	KELCO DIVISION OF MERCK & CO., INC.
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1993-08-31 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	904769
EPA ID:	CAD983658436
Site Name:	KELCO DIVISION OF MERCK & CO., INC.
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1993-08-31 00:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	9
Site ID:	904769
EPA ID:	CAD983658436
Site Name:	KELCO DIVISION OF MERCK & CO., INC.
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1993-02-08 00:00:00
Finish Date:	1993-02-08 00:00:00

KELCO DIVISION OF MERCK & CO., INC. (Continued) **1003879832**

Qual: Not reported
Current Action Lead: EPA Perf

A128 **CNRSW PORT OPS BROW REFURBISHMENT** **RCRA-LQG** **1007199198**
2145 E BELT ST **CA SAN DIEGO CO. SAM** **CAD981379415**
< 1/8 **SAN DIEGO, CA 92113** **CA UST**
1 ft. **NY MANIFEST**

Site 128 of 132 in cluster A

Relative: Higher
Actual: 22 ft.

RCRA-LQG:
Date form received by agency: 06/22/2010
Facility name: CNRSW PORT OPS BROW REFURBISHMENT
Facility address: 2145 E BELT ST
SAN DIEGO, CA 92113
EPA ID: CAD981379415
Mailing address: PO BOX 181470
COMMANDER NAVY REGION SW
CORONADO, CA 92178-1470
Contact: CHRISTINA GRAULAU
Contact address: 1220 PACIFIC HWY
SAN DIEGO, CA 92132
Contact country: US
Contact telephone: 619-532-2274
Contact email: CHRISTINA.GRAULAU@NAVY.MIL
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: RE STAITE ENGINEERING
Owner/operator address: 2145 E BELT ST
SAN DIEGO, CA 92113
Owner/operator country: US
Owner/operator telephone: 619-223-0178
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/10/2010
Owner/Op end date: Not reported

Owner/operator name: RE STAITE ENGINEERING
Owner/operator address: 2145 E BELT ST

CNRSW PORT OPS BROW REFURBISHMENT (Continued) **1007199198**

SAN DIEGO, CA 92113
Owner/operator country: US
Owner/operator telephone: 619-223-0178
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/10/2010
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Pesticides
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 01/23/2007

CNRSW PORT OPS BROW REFURBISHMENT (Continued) **1007199198**

Site name: ISP ALGINATES INCORPORATED
Classification: Not a generator, verified

Date form received by agency: 11/21/2006
Site name: ISP ALGINATES INCORPORATED
Classification: Not a generator, verified

Date form received by agency: 08/21/2003
Site name: ISP ALGINATES INCORPORATED
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Date form received by agency: 10/01/2001
Site name: KELCO A UNIT OF MONSANTO CO
Classification: Not a generator, verified

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D009
. Waste name: MERCURY

CNRSW PORT OPS BROW REFURBISHMENT (Continued) **1007199198**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

Date form received by agency: 09/01/1996
Site name: KELCO A UNIT OF MONSANTO CO
Classification: Small Quantity Generator

Date form received by agency: 02/29/1996
Site name: THE NUTRASWEET KELCO COMPANY
Classification: Large Quantity Generator

Date form received by agency: 04/12/1990
Site name: KELCO DIV OF MERCK & CO, INC
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 01/25/1996
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

SAN DIEGO CO. SAM:
Case Number: H02377-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/16/1989
Date Began: 11/20/1985

Case Number: H02377-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 9/28/1988
Date Began: 7/21/1987

Case Number: H02377-003
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/26/1992
Date Began: 1/2/1990

CNRSW PORT OPS BROW REFURBISHMENT (Continued) **1007199198**

Case Number: H02377-004
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 8/21/1993
Date Began: 8/20/1992

Case Number: H02377-005
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/15/2004
Date Began: 3/27/1995

Case Number: H02377-006
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/15/2004
Date Began: 1/13/1994

Case Number: H02377-007
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 8/15/1995
Date Began: 12/6/1993

Case Number: H02377-008
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 8/20/1996
Date Began: 9/18/1995

Case Number: H02377-009
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/15/2004
Date Began: 1/22/2001

Case Number: H02377-010
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Preliminary Assessment
Date: 3/29/2001
Date Began: 3/12/2001

CNRSW PORT OPS BROW REFURBISHMENT (Continued) **1007199198**

UST:
Facility ID: H02377
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.6954195
Longitude: -117.1436726

NY MANIFEST:
Country: USA
EPA ID: CAD981379415
Facility Status: Not reported
Location Address 1: P. O. BOX 13216
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: SAN DIEGO
Location State: CA
Location Zip: 92112
Location Zip 4: Not reported

NY MANIFEST:
EPAID: CAD981379415
Mailing Name: KELCO
Mailing Contact: KELCO
Mailing Address 1: P. O. BOX 13216
Mailing Address 2: Not reported
Mailing City: SAN DIEGO
Mailing State: CA
Mailing Zip: 92112
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 6192924900

NY MANIFEST:
Document ID: NYA6107922
Manifest Status: C
seq: Not reported
Year: 1987
Trans1 State ID: 703759
Trans2 State ID: X17593
Generator Ship Date: 04/21/1987
Trans1 Recv Date: 04/21/1987
Trans2 Recv Date: / /
TSD Site Recv Date: 04/29/1987
Part A Recv Date: 04/30/1987
Part B Recv Date: 05/06/1987
Generator EPA ID: CAD981379415
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID 1: NYD000632372
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported

CNRSW PORT OPS BROW REFURBISHMENT (Continued) **1007199198**

Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00003
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

B129 **SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR** **RCRA-LQG** **1000820614**
FOOT OF SAMPSON STREET **CA1170090616**
< 1/8 **SAN DIEGO, CA 92170**
1 ft.

Site 1 of 5 in cluster B

Relative: **Higher**
Actual: **22 ft.**

RCRA-LQG:

Date form received by agency:	03/07/2016
Facility name:	SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR
Facility address:	FOOT OF SAMPSON STREET 2205 E BELT SAN DIEGO, CA 92170
EPA ID:	CA1170090616
Mailing address:	BRINSER ST. C106 BLDG SWRMC SAN DIEGO, USN SAN DIEGO, CA 92136
Contact:	ANDRES G QUINONES
Contact address:	BRINSER ST. C106 BLDG SWRMC SAN DIEGO, USN SAN DIEGO, CA 92136
Contact country:	US
Contact telephone:	619-556-1055
Contact email:	ANDRES.QUINONES@NAVY.MIL
EPA Region:	09
Land type:	County
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **1000820614**

hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/24/2005
Owner/Op end date:	Not reported
Owner/operator name:	PORT OF SAN DIEGO
Owner/operator address:	PACIFIC HWY
	SAN DIEGO, CA 92101
Owner/operator country:	US
Owner/operator telephone:	619-686-6200
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	County
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1930
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	122
. Waste name:	Alkaline solution without metals (pH > 12.5)
. Waste code:	141
. Waste name:	Off-specification, aged, or surplus inorganics
. Waste code:	181
. Waste name:	Other inorganic solid waste

SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **1000820614**

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 271
. Waste name: Organic monomer waste (includes unreacted resins)

. Waste code: 281
. Waste name: Adhesives

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 561
. Waste name: Detergent and soap

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN

SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **1000820614**

THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: 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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 03/01/2014
Site name: BAE SYSTEMS OF SAN DIEGO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **1000820614**

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

Date form received by agency: 06/17/2010
Site name: SWRMC/SUPSHIP USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **1000820614**

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 02/20/2008
Site name: SOUTHWEST REGIONAL MAINTENANCE CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

Date form received by agency: 02/15/2006
Site name: SOUTHWEST REGIONAL MAINTENANCE CENTER
Classification: Small Quantity Generator

Date form received by agency: 02/15/2006
Site name: SOUTHWEST REGIONAL MAINTENANCE CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES

SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **1000820614**

WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D011
. Waste name: SILVER

Date form received by agency: 02/16/2005
Site name: SOUTHWEST REGIONAL MAINTENANCE CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, 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.

SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **1000820614**

Date form received by agency: 01/30/2004
Site name: NAVSEA SAN DIEGO,USN AT SOUTHWEST MARINE
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, 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.

Date form received by agency: 01/30/2002
Site name: SUPERVISOR OF SHIPBUILDING, CONVERSIONA
Classification: Large Quantity Generator

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 281
. Waste name: Adhesives

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **1000820614**

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 10/12/2000
Site name: SOUTHWEST MARINE INC.
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: SOUTHWEST MARINE INC.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: USNAVY SUPERVISOR OF SHIPBUILDING
Classification: Large Quantity Generator

Date form received by agency: 02/26/1996
Site name: SOUTHWEST MARINE INC.
Classification: Large Quantity Generator

Date form received by agency: 03/18/1994
Site name: SOUTHWEST MARINE, INC OF SAN DIEGO
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **1000820614**

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 37247

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 823

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 36499

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 12595

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 37177

Waste code: D008
Waste name: LEAD
Amount (Lbs): 37290

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 12508

Waste code: D011
Waste name: SILVER
Amount (Lbs): 589

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 32128

Waste code: D019
Waste name: CARBON TETRACHLORIDE
Amount (Lbs): 66

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 34681

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 66

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

SWRMC USN, AT BAE SYSTEMS SAN DIEGO SHIP REPAIR (Continued) **1000820614**

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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 153

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 03/30/2015
Date achieved compliance: 04/27/2015
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/05/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 04/27/2015
Evaluation lead agency: State

C130 **SOUTHWEST MARINE INC** **CA SAN DIEGO CO. SAM** **S108407254**
1427 W SAMPSON ST **N/A**
< 1/8 **SAN DIEGO, CA 92113**
1 ft.

Site 1 of 2 in cluster C

Relative: SAN DIEGO CO. SAM:
Lower
Case Number: H09689-003
Actual: Agency: CA Regional Water Quality Control Board
11 ft. **Funding:** **Non Billable**
Facility Type: Complaint
Facility Status: Remedial Investigation
Date: 11/2/2009
Date Began: 9/11/2002

C131 **FISHERMAN S DOCK ARCO MARINE TERMINAL** **EDR Hist Auto** **1008997983**
1500 SICARD ST **N/A**
< 1/8 **SAN DIEGO, CA**
1 ft.

Site 2 of 2 in cluster C

Relative: EDR Hist Auto
Lower

Actual:
16 ft.

Year:	Name:	Type:
1975	FISHERMAN S DOCK ARCO MARINE TE	GASOLINE STATIONS
1976	ATLANTIC RICHFIELD CORP	Gasoline Service Stations
1977	ATLANTIC RICHFIELD CORP	Gasoline Service Stations
1978	ATLANTIC RICHFIELD CORP	Gasoline Service Stations
1979	ATLANTIC RICHFIELD CORP	Gasoline Service Stations
1980	ATLANTIC RICHFIELD CORP	Gasoline Service Stations
1982	ATLANTIC RICHFIELD CORP	Gasoline Service Stations
1983	ATLANTIC RICHFIELD CORP	Gasoline Service Stations

A132 **SDG&E AND BAE SYSTEMS NORTHERN SEDIMENT DELINEATIO** **CA CPS-SLIC** **S120064872**
2145 EAST BELT STREET **N/A**
< 1/8 **SAN DIEGO, CA 92113**
1 ft.

Site 129 of 132 in cluster A

Relative: CPS-SLIC:
Higher

Actual:
22 ft.

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	02/01/2017
Global Id:	T10000008866
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.69244
Longitude:	-117.14641
Case Type:	Cleanup Program Site
Case Worker:	WC
Local Agency:	Not reported
RB Case Number:	2090089
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Sediments, Soil, Surface water, Under Investigation
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs), Other Metal
Site History:	Bay sediments north of the former San Diego Gas and Electric Company (SDGE) and current BAE Systems San Diego Ship Repair (BAE Systems) leasehold requires delineation of pollutants (heavy metals, PAHs, PCBs) originating from their historical and/or current operations and facilities. Sediments within BAE Systems (former SDGE) leasehold already remediated under Cleanup and Abatement Order No. R9-2012-0024, but impacted sediments were not fully delineated to the north.

Click here to access the California GeoTracker records for this facility:

A133 **R E STAITE ENGINEERING** **CA AST** **S106060060**
2145 E BELT ST **CA San Diego Co. HMMD** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
1 ft.

Site 130 of 132 in cluster A

Relative: Higher

Actual: 22 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	Ray Carpenter
Total Gallons:	Not reported
CERSID:	10385764
Facility ID:	37-000-208625
Business Name:	R E STAITE ENGINEERING
Phone:	(619)233-0178
Fax:	Not reported
Mailing Address:	2145 E. BELT ST
Mailing Address City:	SAN DIEGO
Mailing Address State:	CA
Mailing Address Zip Code:	92113
Operator Name:	RAY CARPENTER/KATHA CARPENTER/Walt Jellison
Operator Phone:	(619)233-0178
Owner Phone:	(619)233-0178
Owner Mail Address:	2145 E Belt St
Owner State:	CA
Owner Zip Code:	92113
Owner Country:	United States
Property Owner Name:	KELCO CO
Property Owner Phone:	(619)595-5000
Property Owner Mailing Address:	123 N WACKER DR #20
Property Owner City:	San Diego
Property Owner Stat :	CA
Property Owner Zip Code:	92113
Property Owner Country:	United States
EPAID:	CAL000329839

HMMD SAN DIEGO:

Permit Number:	208625
Business Type:	6HK71
EPA Id Number:	CAL00329839
APN:	538-700-05-00
Last HMMD Inspection:	05/26/2011
Facility Telephone:	619-233-0178
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	RAY CARPENTER
Facility Mailing Address:	2145 E. BELT ST
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92113
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

R E STAITE ENGINEERING (Continued) **S106060060**

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	EPOXY/ENAMELS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	1 WASTE & 1 PRODUCT
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	7782-44-7

R E STAITE ENGINEERING (Continued) **S106060060**

Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: BILGE/CONTAMINATED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208625
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208625
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: PAINT WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208625
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBENT & RAGS/CONTAMINATED SOIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208625
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: TREATED WOOD WASTE/WASTE CODE #614
Material Waste: Waste

R E STAITE ENGINEERING (Continued) **S106060060**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208625
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: US BATTERY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208625
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: FUEL & OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

R E STAITE ENGINEERING (Continued) **S106060060**

Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	ACTIVE

Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE

Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE

Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	05/26/2011
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	05/26/2011
Violation Code:	6HV0414

R E STAITE ENGINEERING (Continued) **S106060060**

Violation: DID NOT TRAIN EMPLOYEES ANNUALLY
Violation Citation: Failed to train employees annually. 66265.16(c)
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 05/12/2009
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 05/12/2009
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 05/12/2009
Violation Code: 6HV0207
Violation: FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation: Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 05/12/2009
Violation Code: 6HV0208
Violation: STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation: Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity: ACTIVE

Permit Number: 208625
Business Type: 6HK71
EPA Id Number: CAL00329839
APN: 538-700-05-00
Last HMMD Inspection: 05/26/2011
Facility Telephone: 619-233-0178
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012
Facility Owner: RAY CARPENTER
Facility Mailing Address: 2145 E. BELT ST
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92113
UST Owner: Not reported

R E STAITE ENGINEERING (Continued) **S106060060**

Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 208625
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 208625
Update Date: 11/02/2012
Case Number: MIXTURE
Name: EPOXY/ENAMELS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: 1 WASTE & 1 PRODUCT
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: Not reported

R E STAITE ENGINEERING (Continued) **S106060060**

Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	208625
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	208625
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	BILGE/CONTAMINATED
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	ABSORBENT & RAGS/CONTAMINATED SOIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

R E STAITE ENGINEERING (Continued) **S106060060**

Permit Number: 208625
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: TREATED WOOD WASTE/WASTE CODE #614
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208625
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: US BATTERY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208625
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: FUEL & OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012

R E STAITE ENGINEERING (Continued) **S106060060**

Inspection Date:	08/28/2007
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	05/26/2011
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2);

R E STAITE ENGINEERING (Continued) **S106060060**

66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 05/26/2011
Violation Code: 6HV0414
Violation: DID NOT TRAIN EMPLOYEES ANNUALLY
Violation Citation: Failed to train employees annually. 66265.16(c)
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 05/12/2009
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 05/12/2009
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 05/12/2009
Violation Code: 6HV0207
Violation: FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation: Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 05/12/2009
Violation Code: 6HV0208
Violation: STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation: Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity: ACTIVE

Permit Number: 102377
Business Type: 6HK76
EPA Id Number: CAD981379415
APN: DEH-102377
Last HMMD Inspection: 11/08/2006
Facility Telephone: 619-557-3172
Permit Status: INAC
Permit Expiration: 10/31/2006

R E STAITE ENGINEERING (Continued) **S106060060**

Date Last Updated: 11/02/2012
Facility Owner: ISP ALGINATES, INC
Facility Mailing Address: 2145 E BELT ST
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92113-2213
UST Owner: ISP ALGINATES
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Permit Number: 102377
Update Date: 11/02/2012
Inspection Date: 03/12/2004
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: Inactive Permit

Permit Number: 102377
Update Date: 11/02/2012
Inspection Date: 03/12/2004
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: Inactive Permit

Permit Number: 102377
Update Date: 11/02/2012
Inspection Date: 12/14/2004
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: Inactive Permit

UST:
UST Name: UNDERGROUND TANK 102377 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102377
Tank Type: SINGLE WALL
Additional Id: B 1
Capacity Gallons: 0
UST Contents: Not reported
Other Content Info: SEE FILE FOR CONTENTS
Reg Status: CLOSED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1943-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported

R E STAITE ENGINEERING (Continued) **S106060060**

Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 102377 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102377
Tank Type:	SINGLE WALL
Additional Id:	G 1
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1991-04-10 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 102377 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102377
Tank Type:	SINGLE WALL
Additional Id:	IPA 1
Capacity Gallons:	15000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1947-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 102377 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	102377
Tank Type:	SINGLE WALL
Additional Id:	IPA 2
Capacity Gallons:	8000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1947-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 102377 T005
Last Update:	2012-11-02 14:17:38

R E STAITE ENGINEERING (Continued) **S106060060**

Permit Number:	102377
Tank Type:	SINGLE WALL
Additional Id:	IPA 3 PROPYLENE OXIDE
Capacity Gallons:	3000
UST Contents:	Not reported
Other Content Info:	PROPYLENE OXIDE
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1947-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 102377 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	102377
Tank Type:	SINGLE WALL
Additional Id:	PO 1 PROPYLENE OXIDE
Capacity Gallons:	11000
UST Contents:	Not reported
Other Content Info:	PROPYLENE OXIDE
Reg Status:	REMOVED
Remove Close Date:	1994-08-12 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 102377 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	102377
Tank Type:	SINGLE WALL
Additional Id:	PO 2 PROPYLENE OXIDE
Capacity Gallons:	8000
UST Contents:	Not reported
Other Content Info:	PROPYLENE OXIDE
Reg Status:	REMOVED
Remove Close Date:	1994-08-12 00:00:00
Year Installed:	1969-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 102377 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	102377
Tank Type:	SINGLE WALL
Additional Id:	PO 3 PROPYLENE OXIDE
Capacity Gallons:	8000
UST Contents:	Not reported
Other Content Info:	PROPYLENE OXIDE

R E STAITE ENGINEERING (Continued) **S106060060**

Reg Status: REMOVED
Remove Close Date: 1993-12-28 00:00:00
Year Installed: 1960-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 02
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102377 T009
Last Update: 2012-11-02 14:17:38
Permit Number: 102377
Tank Type: SINGLE WALL
Additional Id: PO 4 PROPYLENE OXIDE
Capacity Gallons: 8000
UST Contents: Not reported
Other Content Info: PROPYLENE OXIDE
Reg Status: REMOVED
Remove Close Date: 1993-12-28 00:00:00
Year Installed: 1960-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 02
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102377 T010
Last Update: 2012-11-02 14:17:38
Permit Number: 102377
Tank Type: SINGLE WALL
Additional Id: PO 5 PROPYLENE OXIDE
Capacity Gallons: 11000
UST Contents: Not reported
Other Content Info: PROPYLENE OXIDE
Reg Status: REMOVED
Remove Close Date: 1993-12-28 00:00:00
Year Installed: 1974-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 02
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102377 T011
Last Update: 2012-11-02 14:17:38
Permit Number: 102377
Tank Type: DOUBLE WALL
Additional Id: 9374-1 PROPYLENE OXIDE/AT5272
Capacity Gallons: 20000
UST Contents: Not reported
Other Content Info: PROPYLENE OXIDE
Reg Status: REMOVED
Remove Close Date: 2006-10-05 00:00:00
Year Installed: 1994-01-01 00:00:00
Pipe Type: Not reported
Delivery System: PRESSURE
Monitor Code: 20

R E STAITE ENGINEERING (Continued) **S106060060**

UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name: UNDERGROUND TANK 102377 T012
Last Update: 2012-11-02 14:17:38
Permit Number: 102377
Tank Type: DOUBLE WALL
Additional Id: 9374-2 PROPYLENE OXIDE/AT5272
Capacity Gallons: 20000
UST Contents: Not reported
Other Content Info: PROPYLENE OXIDE
Reg Status: REMOVED
Remove Close Date: 2006-10-05 00:00:00
Year Installed: 1994-01-01 00:00:00
Pipe Type: Not reported
Delivery System: PRESSURE
Monitor Code: 99
UST Monitor Method: OTHER - BLIND REMARK REQUIRED

Permit Number: 208625
Business Type: 6HK71
EPA Id Number: CAL00329839
APN: 538-700-05-00
Last HMMD Inspection: 05/26/2011
Facility Telephone: 619-233-0178
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012
Facility Owner: RAY CARPENTER
Facility Mailing Address: 2145 E. BELT ST
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92113
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 208625
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE GAS
Other Information: Not reported
Material Waste: Material

R E STAITE ENGINEERING (Continued) **S106060060**

Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 208625
Update Date: 11/02/2012
Case Number: MIXTURE
Name: EPOXY/ENAMELS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: 1 WASTE & 1 PRODUCT
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 208625
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

R E STAITE ENGINEERING (Continued) **S106060060**

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	BILGE/CONTAMINATED
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	ABSORBENT & RAGS/CONTAMINATED SOIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	TREATED WOOD WASTE/WASTE CODE #614
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	US BATTERY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208625
Update Date:	11/02/2012
Case Number:	Not reported

R E STAITE ENGINEERING (Continued) **S106060060**

Name: WASTE 888 USED OIL FILTERS
Other Information: FUEL & OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV0218
Violation: FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation: Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity: ACTIVE

Permit Number: 208625
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE

R E STAITE ENGINEERING (Continued) **S106060060**

Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	05/26/2011
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	05/26/2011
Violation Code:	6HV0414
Violation:	DID NOT TRAIN EMPLOYEES ANNUALLY
Violation Citation:	Failed to train employees annually. 66265.16(c)
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	05/12/2009
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Permit Number:	208625

R E STAITE ENGINEERING (Continued) **S106060060**

Update Date:	11/02/2012
Inspection Date:	05/12/2009
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	05/12/2009
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity:	ACTIVE
Permit Number:	208625
Update Date:	11/02/2012
Inspection Date:	05/12/2009
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000329839
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	(619)233-0178
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/05/2018
Facility Owner:	Not reported
Facility Mailing Address:	2145 E. BELT ST, SAN DIEGO, CA 92113
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2007-HUPFP-208625
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-208625
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4110310

R E STAITE ENGINEERING (Continued) **S106060060**

Return To Compliance Date:	2015-03-13T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-05T00:00:00.000
Inspection Date:	2015-02-16T00:00:00.000
Violation Code:	3030007 Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date. 22 CCR 12 66262.34(f).
Record ID:	DEH2007-HUPFP-208625
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-208625
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4110310
Return To Compliance Date:	2015-03-13T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-05T00:00:00.000
Inspection Date:	2015-02-16T00:00:00.000
Violation Code:	3030031 Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment. 22 CCR 15 66265.31.
Record ID:	DEH2007-HUPFP-208625
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-208625
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4110310
Return To Compliance Date:	2015-03-13T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-05T00:00:00.000
Inspection Date:	2015-02-16T00:00:00.000
Violation Code:	3030037 Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless it can be demonstrated to the Department that aisle space is not needed for any of these purposes.; 22 CCR 15 66265.35.
Record ID:	DEH2007-HUPFP-208625
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-208625

R E STAITE ENGINEERING (Continued) **S106060060**

Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4110310
Return To Compliance Date:	2015-03-13T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-05T00:00:00.000
Inspection Date:	2015-02-16T00:00:00.000
Violation Code:	3010010 Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.; 22 CCR 12 66262.40(a).

Record ID:	DEH2007-HUPFP-208625
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-208625
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4110310
Return To Compliance Date:	2015-03-13T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-05T00:00:00.000
Inspection Date:	2015-02-16T00:00:00.000
Violation Code:	HMD0209 Accumulated hazardous waste more than 90 days. 25201(a) and 66262.34(a)&(c).

Record ID:	DEH2007-HUPFP-208625
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-208625
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4110310
Return To Compliance Date:	2015-03-26T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-05T00:00:00.000
Inspection Date:	2015-02-16T00:00:00.000
Violation Code:	1010002 Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet; HSC 6.95 25508(a)1A

Record ID:	DEH2007-HUPFP-208625
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-208625
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4110310

R E STAITE ENGINEERING (Continued) **S106060060**

Return To Compliance Date: 2015-03-13T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-04-05T00:00:00.000
Inspection Date: 2015-02-16T00:00:00.000
Violation Code: 3030020 Failure to inspect hazardous waste storage areas at least weekly. 22 CCR 15 66265.174.

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-208625
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 4110310
Return To Compliance Date: 2015-03-13T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-04-05T00:00:00.000
Inspection Date: 2015-02-16T00:00:00.000
Violation Code: 3030018 Failure to properly close hazardous waste containers when not in active use.; 22 CCR 15 66265.173.

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-208625
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 4110310
Return To Compliance Date: 2015-03-13T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-04-05T00:00:00.000
Inspection Date: 2015-02-16T00:00:00.000
Violation Code: HMD0224 Empty cont not managed. Failed to mark date on empty container larger than 5 gallons &/or manage it within one year. 22CCR 66261.7(e) & (f).

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-208625
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 4110310
Return To Compliance Date: 2015-03-13T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported

R E STAITE ENGINEERING (Continued) **S106060060**

Last Update: 2018-04-05T00:00:00.000
Inspection Date: 2015-02-16T00:00:00.000
Violation Code: 3020002 Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.; 22 CCR 15 66265.16.

Waste and Materials:

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126082
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Natural Gasoline
Common Name: Natural Gasoline (See comment)
Case Number: 8006-61-9

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126083
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Epoxy Resin
Common Name: Epoxy Resin
Case Number: 25068-38-6

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126084
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Diesel Fuel No. 2
Common Name: Diesel Fuel No. 2
Case Number: 68476-34-6

R E STAITE ENGINEERING (Continued) **S106060060**

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126085
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Acetylene
Common Name: Acetylene
Case Number: 74-86-2

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126086
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Stoddard Solvent
Common Name: Stoddard Solvent
Case Number: 8052-41-3

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126087
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Oxygen
Common Name: Oxygen
Case Number: 7782-44-7

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104887
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Oily Rags
Common Name: Rags
Case Number: Not reported

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104888
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Oily Water
Common Name: Oily water
Case Number: Not reported

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed

R E STAITE ENGINEERING (Continued) **S106060060**

Active Permit: Y
Child Record Id: DEH2017-HWAST-0104889
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Paint Related Material
Common Name: Rollers, paper, paint debris
Case Number: Not reported

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104890
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Paint, lubircants, oils
Common Name: Misc Aerosols
Case Number: Not reported

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104891
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Hydrocarbons, C.gtoreq.20, petroleum wastes
Common Name: Hydrocarbons, C.gtoreq.20, petroleum wastes
Case Number: Not reported

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104892
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Lubricating oils, refined used
Common Name: Refined used lubricating oils
Case Number: Not reported

Record ID: DEH2007-HUPFP-208625
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126081
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-05T02:30:43.000
Chemical Name: Ethylene Glycol
Common Name: Ethylene Glycol
Case Number: 107-21-1

B134 **SOUTHWEST MARINE, INC.** **RCRA-LQG** **1015757283**
FOOT OF SAMPSON ST. BOX 13308 **PADS** **CAD981172554**
< 1/8 **SAN DIEGO, CA 92170**
1 ft.

Site 2 of 5 in cluster B

Relative: **Higher**
Actual: **22 ft.**

RCRA-LQG:

Date form received by agency:	02/24/2016
Facility name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Facility address:	2205 EAST BELT STREET SAN DIEGO, CA 92113
EPA ID:	CAD981172554
Mailing address:	PO BOX 13308 SAN DIEGO, CA 92170
Contact:	SANDOR HALVAX
Contact address:	PO BOX 13308 SAN DIEGO, CA 92170
Contact country:	US
Contact telephone:	619-557-4210
Contact email:	SANDOR.HALVAX@BAESYSTEMS.COM
EPA Region:	09
Land type:	District
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SAN DIEGO UNIFIED PORT DISTRICT
Owner/operator address:	PACIFIC HIGHWAY SAN DIEGO, CA 92101
Owner/operator country:	US
Owner/operator telephone:	619-686-6200
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	02/14/1963
Owner/Op end date:	Not reported

Owner/operator name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private

SOUTHWEST MARINE, INC. (Continued) **1015757283**

Owner/Operator Type: Operator
Owner/Op start date: 09/17/1979
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 272
. Waste name: Polymeric resin waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

SOUTHWEST MARINE, INC. (Continued) **1015757283**

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 03/01/2014
Site name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

SOUTHWEST MARINE, INC. (Continued) **1015757283**

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 08/21/2012
Site name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES

SOUTHWEST MARINE, INC. (Continued) **1015757283**

WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/01/2010
Site name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 214
. Waste name: Unspecified solvent mixture

SOUTHWEST MARINE, INC. (Continued) **1015757283**

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 451
. Waste name: Degreasing sludge

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

SOUTHWEST MARINE, INC. (Continued) **1015757283**

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/01/2008
Site name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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

SOUTHWEST MARINE, INC. (Continued) **1015757283**

ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/24/2006
Site name: BAE SYSTEMS SAN DIEGO SHIP REPAIR / YARD
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, 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

SOUTHWEST MARINE, INC. (Continued) **1015757283**

IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: 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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 09/06/2005
Site name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

SOUTHWEST MARINE, INC. (Continued) **1015757283**

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, 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 name: 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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 07/22/2005
Site name: BAE SYSTEMS SAN DIEGO SHIP REPAIR
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

SOUTHWEST MARINE, INC. (Continued) **1015757283**

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, 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 name: 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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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

SOUTHWEST MARINE, INC. (Continued) **1015757283**

ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/01/2004
Site name: SOUTHWEST MARINE, INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, 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: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/29/2002
Site name: SOUTHWEST MARINE, INC. (SAMPSON STREET)
Classification: Large Quantity Generator

SOUTHWEST MARINE, INC. (Continued) **1015757283**

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D009
. Waste name: MERCURY

Date form received by agency: 10/12/2000
Site name: SOUTHWEST MARINE
Classification: Large Quantity Generator

Date form received by agency: 04/15/1999
Site name: SOUTHWEST MARINE
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: SOUTHWEST MARINE INC
Classification: Large Quantity Generator

Date form received by agency: 03/29/1996
Site name: SOUTWEST MARINE, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: SOUTHWEST MARINE, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/17/1992
Site name: SOUTHWEST MARINE INC
Classification: Large Quantity Generator

Date form received by agency: 05/03/1990
Site name: SOUTHWEST MARINE INC SAN DIEGO DIVISION
Classification: Large Quantity Generator

Date form received by agency: 01/22/1986
Site name: SOUTHWEST MARINE INC
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

SOUTHWEST MARINE, INC. (Continued) **1015757283**

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 49744

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 48222

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 10145

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 46943

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.
Amount (Lbs): 14777

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 14777

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General

SOUTHWEST MARINE, INC. (Continued) **1015757283**

Date violation determined: 08/15/2008
Date achieved compliance: 09/13/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/15/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/28/2004
Date achieved compliance: 08/28/2004
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/05/1994
Date achieved compliance: 06/12/1996
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 02/17/1994
Date achieved compliance: 05/05/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 11/05/1992

SOUTHWEST MARINE, INC. (Continued) **1015757283**

Date achieved compliance: 02/17/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/11/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/17/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/22/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/31/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/15/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/13/2008
Evaluation lead agency: State

Evaluation date: 05/28/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/28/2004
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 06/12/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/05/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General

SOUTHWEST MARINE, INC. (Continued) **1015757283**

Date achieved compliance: 06/12/1996
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 02/17/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/05/1994
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/05/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/17/1994
Evaluation lead agency: State Contractor/Grantee

PADS:
EPAID: CAD981172554
Facility name: SOUTHWEST MARINE, INC.
Facility Address: FOOT OF SAMPSON ST. BOX 13308
SAN DIEGO, CA 92170
Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: ARTHUR ENGEL/ PORT OF SD
Contact title: Not reported
Contact name: STEVEN RICHARDSON
Contact tel: 619-238-1000
Contact extension: Not reported
Contact Email: Not reported
Mailing address: FOOT OF SAMPSON ST. BOX 13308
SAN DIEGO, CA 92170
Mailing country: US
Cert. date: 08/28/1991

A135 **KELCO / NUTRASWEET KELCO** **CA LUST** **1000984877**
2145 BELT ST E **CA EMI** **N/A**
< 1/8 **SAN DIEGO, CA 92113** **CA HIST CORTESE**
1 ft.

Site 131 of 132 in cluster A

Relative: Higher
Actual: 22 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT239
Local Case: H02377-001
Substance: Alcohol
Qty Leaked: 0
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: San Diego
How Found: Other Means
How Stopped: Repair Piping
Source: Piping
Cause: Corrosion
Lead Agency: Local Agency

KELCO / NUTRASWEET KELCO (Continued) **1000984877**

Case Type: Other ground water affected
Date Found: 07/21/1987
Date Stopped: 07/21/1987
Confirm Date: 11/20/1985
Submit Workplan: Not reported
Prelim Assess: 06/17/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/18/1986
Enforce Date: Not reported
Closed Date: 9/28/88
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: >25'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT2423
Local Case: H02377-002
Substance: Kerosene
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 07/21/1987
Date Stopped: 07/21/1987
Confirm Date: 07/21/1987
Submit Workplan: 7/21/87
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/24/1987
Enforce Date: Not reported
Closed Date: 9/28/88
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: Not reported

KELCO / NUTRASWEET KELCO (Continued) **1000984877**

NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

EMI:

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	118
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1219
Reactive Organic Gases Tons/Yr:	1165
Carbon Monoxide Emissions Tons/Yr:	122
NOX - Oxides of Nitrogen Tons/Yr:	175
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	12
Part. Matter 10 Micrometers and Smllr Tons/Yr:	12

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	118
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	981
Reactive Organic Gases Tons/Yr:	926
Carbon Monoxide Emissions Tons/Yr:	99
NOX - Oxides of Nitrogen Tons/Yr:	179
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	12
Part. Matter 10 Micrometers and Smllr Tons/Yr:	12

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	118
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	981
Reactive Organic Gases Tons/Yr:	926
Carbon Monoxide Emissions Tons/Yr:	99
NOX - Oxides of Nitrogen Tons/Yr:	179
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	12

KELCO / NUTRASWEET KELCO (Continued) **1000984877**

Part. Matter 10 Micrometers and Smllr Tons/Yr:12

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	7006
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	41
Reactive Organic Gases Tons/Yr:	41
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

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	118
Air District Name:	SD
SIC Code:	2099
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	103
Reactive Organic Gases Tons/Yr:	58
Carbon Monoxide Emissions Tons/Yr:	44
NOX - Oxides of Nitrogen Tons/Yr:	94
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	10
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	7006
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	41
Reactive Organic Gases Tons/Yr:	41
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

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	118

KELCO / NUTRASWEET KELCO (Continued) **1000984877**

Air District Name:	SD
SIC Code:	2099
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	72
Reactive Organic Gases Tons/Yr:	59
Carbon Monoxide Emissions Tons/Yr:	15
NOX - Oxides of Nitrogen Tons/Yr:	76
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	10
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	7006
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	28
Reactive Organic Gases Tons/Yr:	28
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

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	7006
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	34
Reactive Organic Gases Tons/Yr:	34
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

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	118
Air District Name:	SD
SIC Code:	2099
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	96

KELCO / NUTRASWEET KELCO (Continued) **1000984877**

Reactive Organic Gases Tons/Yr:	47
Carbon Monoxide Emissions Tons/Yr:	14
NOX - Oxides of Nitrogen Tons/Yr:	72
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	11
Part. Matter 10 Micrometers and Smllr Tons/Yr:	11

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	118
Air District Name:	SD
SIC Code:	2099
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	95.6526
Reactive Organic Gases Tons/Yr:	47.407455
Carbon Monoxide Emissions Tons/Yr:	14.3596697
NOX - Oxides of Nitrogen Tons/Yr:	71.9631818
SOX - Oxides of Sulphur Tons/Yr:	0.81207
Particulate Matter Tons/Yr:	10.74165
Part. Matter 10 Micrometers and Smllr Tons/Yr:	10.74165

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	7006
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	33.5049992
Reactive Organic Gases Tons/Yr:	33.5049992
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

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	7006
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	43.54
Reactive Organic Gases Tons/Yr:	43.54
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

KELCO / NUTRASWEET KELCO (Continued) **1000984877**

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	7006
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47.24
Reactive Organic Gases Tons/Yr:	47.24
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1.13
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.13

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	7006
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47.24
Reactive Organic Gases Tons/Yr:	47.24
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1.13
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.13

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	7006
Air District Name:	SD
SIC Code:	2833
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47.24
Reactive Organic Gases Tons/Yr:	47.24
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1.13
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.13

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	7006
Air District Name:	SD
SIC Code:	2833

KELCO / NUTRASWEET KELCO (Continued) **1000984877**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47.240000000000002
Reactive Organic Gases Tons/Yr:	47.240000000000002
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1.1299999999999999
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.1299999999999999

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT239

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2423

A136 **S D UNIFIED PORT DIST AT0192** **CA San Diego Co. HMMD** **S104749741**
2025 BELT ST **CA SWEEPS UST** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
1 ft.

Site 132 of 132 in cluster A

Relative: Higher
Actual: 22 ft.

HMMD SAN DIEGO:

Permit Number:	121194
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	538-700-03-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	06/30/2002
Date Last Updated:	11/02/2012
Facility Owner:	S D UNIFIED PORT DIST
Facility Mailing Address:	2025 BELT ST
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92113-2212
UST Owner:	S D UNIFIED PORT DIST
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121194 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121194
Tank Type:	SINGLE WALL
Additional Id:	AT0192-1
Capacity Gallons:	400

S D UNIFIED PORT DIST AT0192 (Continued) **S104749741**

UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Status:	Not reported
Comp Number:	21194
Number:	Not reported
Board Of Equalization:	44-023475
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021194-000001
Tank Status:	Not reported
Capacity:	400
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

B137 **CHEVRON HARBOR TERMINAL-LOWER TANK FARM** **CA ENVIROSTOR** **S100219208**
ESE **2295 BELT STREET** **CA CHMIRS** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.021 mi.
109 ft. **Site 3 of 5 in cluster B**

Relative:
Higher

Actual:
22 ft.

ENVIROSTOR:

Facility ID:	37290007
Status:	Refer: 1248 Local Agency
Status Date:	09/13/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	80
Senate:	40
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.69214

CHEVRON HARBOR TERMINAL-LOWER TANK FARM (Continued) **S100219208**

Longitude: -117.1427
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37290007
Alias Type: Envirostor ID Number

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

CHMIRS:
OES Incident Number: 000121
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Date Completed: **11-FEB-90**
Property Use: 767
Agency Id Number: 37140
Agency Incident Number: 040828
Time Notified: 850
Time Completed: 1320
Surrounding Area: 800
Estimated Temperature: 75
Property Management: P
More Than Two Substances Involved?: N
Resp Agncy Personel # Of Decontaminated: 0
Responding Agency Personel # Of Injuries: 0
Responding Agency Personel # Of Fatalities: 0
Others Number Of Decontaminated: 0
Others Number Of Injuries: 0
Others Number Of Fatalities: 0
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: CHEVRON
Reporting Officer Name/ID: SAMUEL E. CAMPBELL
Report Date: 11-FEB-90
Facility Telephone: 619 236-7773
Waterway Involved: Not reported

CHEVRON HARBOR TERMINAL-LOWER TANK FARM (Continued) **S100219208**

Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	11-FEB-90
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	29-MAY-90
Substance:	Not reported
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:	Not reported

B138 **BETTENCOURT FRANK** **EDR Hist Auto** **1008997754**
ESE **1 2301 E BELT** **N/A**
< 1/8 **SAN DIEGO, CA**
0.027 mi.
142 ft. **Site 4 of 5 in cluster B**

Relative: EDR Hist Auto
Higher

Actual:
22 ft.

Year:	Name:	Type:
1952	BETTENCOURT FRANK	GASOLINE STATIONS

D139 **BAY DECKING COMPANY INC** **RCRA NonGen / NLR** **1000110204**
NNW **1995 BAY FRONT ST** **FINDS** **CAD982019077**
< 1/8 **SAN DIEGO, CA 92113** **ECHO**
0.033 mi.
173 ft. **Site 1 of 17 in cluster D**

Relative:
Higher

Actual:
23 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/22/1992
Facility name:	BAY DECKING COMPANY INC
Facility address:	1995 BAY FRONT ST SAN DIEGO, CA 92113
EPA ID:	CAD982019077
Mailing address:	21 COMMERCIAL BLVD SUITE 16 IGNACIO, CA 94947
Contact:	MATTHEW TRUJILLO
Contact address:	1995 BAY FRONT ST SAN DIEGO, CA 92113
Contact country:	US
Contact telephone:	510-769-6033
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MIGUEL M NARRO
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CONTINENTAL MARITIME
Owner/operator address:	1995 BAYFRONT ST SAN DIEGO, CA 92113
Owner/operator country:	Not reported
Owner/operator telephone:	619-234-8851
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

BAY DECKING COMPANY INC (Continued) **1000110204**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110009542316

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: 1000110204
Registry ID: 110009542316
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110009542316

D140 **CONTINENTAL MARITIME SAN DIEGO INC.** **SEMS-ARCHIVE** **1000412848**
NNW **1995 BAYFRONT STREET** **RCRA-LQG** **CAD981418395**
< 1/8 **SAN DIEGO, CA 92113** **CA LUST**
0.033 mi. **CA SAN DIEGO CO. SAM**
173 ft. **Site 2 of 17 in cluster D** **CA CPS-SLIC**
CA CHMIRS
Relative: **CA HAZNET**
Higher **NY MANIFEST**
Actual: **CA NPDES**
23 ft.

SEMS Archive:
Site ID: 904767

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

EPA ID: CAD981418395
Cong District: 44
FIPS Code: 6073
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
Latitude: 32.695833
Longitude: -117.14666699999999

SEMS Archive Detail:

Region: 9
Site ID: 904767
EPA ID: CAD981418395
Site Name: CONTINENTAL OF SAN DIEGO, INC.
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1994-01-10 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 904767
EPA ID: CAD981418395
Site Name: CONTINENTAL OF SAN DIEGO, INC.
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1994-01-10 00:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 9
Site ID: 904767
EPA ID: CAD981418395
Site Name: CONTINENTAL OF SAN DIEGO, INC.
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1993-02-08 00:00:00
Finish Date: 1993-02-08 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

RCRA-LQG:

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Date form received by agency: 03/16/2012
Facility name: CONTINENTAL MARITIME SAN DIEGO INC.
Facility address: 1995 BAYFRONT STREET
SAN DIEGO, CA 92113
EPA ID: CAD981418395
Mailing address: BAYFRONT STREET
SAN DIEGO, CA 92113
Contact: RUSSEL MCCARTHY
Contact address: BAYFRONT STREET
SAN DIEGO, CA 92113
Contact country: US
Contact telephone: 619-234-8851
Telephone ext.: 531
Contact email: RMCCARTHY@CONTINENTALMARITIME.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: PORT OF SAN DIEGO
Owner/operator address: PACIFIC HWY
SAN DIEGO, CA 92101
Owner/operator country: Not reported
Owner/operator telephone: 619-686-6200
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 12/18/1962
Owner/Op end date: Not reported

Owner/operator name: CONTINENTAL MARITIME OF SAN DIEGO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/11/2011
Owner/Op end date: Not reported

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Owner/operator name: HUNTINGTON INGALLS INCORPORATED
Owner/operator address: 4101 WASHINGTON AVE
NEWPORT NEWS, VA 23607
Owner/operator country: US
Owner/operator telephone: 757-380-4645
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/31/2011
Owner/Op end date: Not reported

Owner/operator name: CONTINENTAL MARITIME SAN DIEGO
Owner/operator address: PACIFIC HWY
SAN DIEGO, CA 92101
Owner/operator country: Not reported
Owner/operator telephone: 619-686-6200
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1986
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 06/13/2011
Site name: CONTINENTAL MARITIME OF SAN DIEGO
Classification: Large Quantity Generator

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 06/15/2010
Site name: CONTINENTAL MARITIME OF SAN DIEGO (YARD)
Classification: Large Quantity Generator

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

Date form received by agency: 02/03/2008
Site name: CONTINENTAL MARITIME OF SAN DIEGO

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/25/2006
Site name: CONTINENTAL MARITIME OF SAN DIEGO, INC.
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 02/20/2004
Site name: CONTINENTAL MARITIME SAN DIEGO (SITE)
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D009
. Waste name: MERCURY

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Date form received by agency: 02/28/2002
Site name: CONTINENTAL MARITIME INC.
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 10/12/2000
Site name: CONTINENTAL MARITIME INC.
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: CONTINENTAL MARITIME INC.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: CONTINENTAL MARITIME OF S D INC
Classification: Large Quantity Generator

Date form received by agency: 01/29/1996
Site name: CONTINENTAL MARITIME OF SAN DIEGO, INC.
Classification: Large Quantity Generator

Date form received by agency: 06/05/1995
Site name: CONTINENTAL MARITIME OF S D INC
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Site name: CONTINENTAL MARITIME OF SAN DIEGO, INC.
Classification: Large Quantity Generator

Date form received by agency: 04/30/1992
Site name: CONTINENTAL MARITIME OF SAN DIEGO
Classification: Large Quantity Generator

Date form received by agency: 04/11/1990
Site name: CONTINENTAL MARITIME OF S. D.
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/01/2008
Date achieved compliance: 05/30/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Area of violation: Generators - General
Date violation determined: 10/21/2005
Date achieved compliance: 06/26/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/21/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 08/19/1994
Date achieved compliance: 08/19/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 01/14/1993
Date achieved compliance: 08/19/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/20/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/19/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/01/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Date achieved compliance: 05/30/2008
Evaluation lead agency: State

Evaluation date: 07/23/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/21/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/26/2006
Evaluation lead agency: Local

Evaluation date: 08/19/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/19/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 01/14/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/19/1994
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 05/21/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/26/2006
Evaluation lead agency: State Contractor/Grantee

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT138
Local Case: H00120-001
Substance: Diesel
Qty Leaked: 6000
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 12/12/1986
Date Stopped: 12/12/1986
Confirm Date: 12/12/1986
Submit Workplan: Not reported
Prelim Assess: 01/09/1987
Desc Pollution: Not reported
Remed Plan: 08/27/1987
Remed Action: Not reported
Began Monitor: Not reported

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Release Date: 12/12/1986
Enforce Date: Not reported
Closed Date: 5/25/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: ~10'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT2467
Local Case: H00120-003
Substance: Diesel
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Subsurface Monitoring
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 07/10/1992
Date Stopped: / /
Confirm Date: 07/10/1992
Submit Workplan: 7/10/92
Prelim Assess: 07/10/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/06/1993
Enforce Date: Not reported
Closed Date: 2/24/97
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 9.03
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2996

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Local Case: H00120-002
Substance: Diesel
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 08/30/1990
Date Stopped: 08/30/1990
Confirm Date: 08/30/1990
Submit Workplan: Not reported
Prelim Assess: 11/22/1991
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/30/1990
Enforce Date: 8/31/90
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 5’
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 1B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H02857-001
Agency: DEH Site Assessment & Mitigation
Funding: **XV**
Facility Type: Soils Only
Facility Status: Leak Being Confirmed
Date: 5/21/2002
Date Began: 5/21/2002

CPS-SLIC:
Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 02/01/2017
Global Id: T10000004954
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number: Not reported
Latitude: 32.6938281808618
Longitude: -117.148664758594
Case Type: Cleanup Program Site
Case Worker: WC
Local Agency: Not reported

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

RB Case Number:	2090092
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Sediments
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs), Copper, Lead, Mercury (elemental), Zinc, Polynuclear aromatic hydrocarbons (PAHs)
Site History:	Sediment monitoring data for the Continental Maritime of San Diego (CMSD) leasehold indicate sediments have been impacted by pollutants (heavy metals, PAHs, and PCBs) from current and historical operations and facilities in the area.

Click here to access the California GeoTracker records for this facility:

CHMIRS:

OES Incident Number:	06449
OES notification:	Not reported
OES Date:	1/26/1995
OES Time:	12:58:25 PM
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:	san diego bay outfall of storm drain
Spill Site:	Not reported
Cleanup By:	contennental
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	contental
Incident Date:	0345 26 jan 95
Admin Agency:	Not reported
Amount:	residual on ground

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Contained:	YES
Site Type:	IND PLT
E Date:	Not reported
Substance:	transmission fluid
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:	transmission failed on truck, some material on the ground carried into storm drain by heavey rains

HAZNET:

envid:	1000412848
Year:	2017
GEPAID:	CAD981418395
Contact:	DEWEY F YOUNGERMAN
Telephone:	6192348851
Mailing Name:	Not reported
Mailing Address:	1995 BAY FRONT ST
Mailing City,St,Zip:	SAN DIEGO, CA 921132122
Gen County:	San Diego
TSD EPA ID:	INR000127621
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Not reported
Tons:	0.09
Cat Decode:	Other organic solids
Method Decode:	Not reported
Facility County:	San Diego

envid:	1000412848
Year:	2017
GEPAID:	CAD981418395
Contact:	DEWEY F YOUNGERMAN
Telephone:	6192348851
Mailing Name:	Not reported
Mailing Address:	1995 BAY FRONT ST
Mailing City,St,Zip:	SAN DIEGO, CA 921132122
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Tons:	0.97
Cat Decode:	Waste oil and mixed oil
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego
envid:	1000412848
Year:	2017
GEPAID:	CAD981418395
Contact:	DEWEY F YOUNGERMAN
Telephone:	6192348851
Mailing Name:	Not reported
Mailing Address:	1995 BAY FRONT ST
Mailing City,St,Zip:	SAN DIEGO, CA 921132122
Gen County:	San Diego
TSD EPA ID:	NMD002208627
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	3.737
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego
envid:	1000412848
Year:	2017
GEPAID:	CAD981418395
Contact:	DEWEY F YOUNGERMAN
Telephone:	6192348851
Mailing Name:	Not reported
Mailing Address:	1995 BAY FRONT ST
Mailing City,St,Zip:	SAN DIEGO, CA 921132122
Gen County:	San Diego
TSD EPA ID:	NMD002208627
TSD County:	99
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.926
Cat Decode:	Unspecified oil-containing waste
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	San Diego
envid:	1000412848
Year:	2017
GEPAID:	CAD981418395
Contact:	DEWEY F YOUNGERMAN
Telephone:	6192348851
Mailing Name:	Not reported
Mailing Address:	1995 BAY FRONT ST
Mailing City,St,Zip:	SAN DIEGO, CA 921132122
Gen County:	San Diego
TSD EPA ID:	INR000127621
TSD County:	99

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Waste Category:	Other organic solids
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.855
Cat Decode:	Other organic solids
Method Decode:	Fuel Blending Prior To Energy Recovery At Another Site
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
1159 additional CA_HAZNET: record(s) in the EDR Site Report.

NY MANIFEST:

Country:	USA
EPA ID:	CAD981418395
Facility Status:	Not reported
Location Address 1:	1995 GAY FRONT
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	SAN DIEGO
Location State:	CA
Location Zip:	92113
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	CAD981418395
Mailing Name:	CONTINENTAL MARITIME OF SAN DIEGO INC
Mailing Contact:	CONTINENTAL MARITIME OF SAN DIEGO INC
Mailing Address 1:	1995 GAY FRONT
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	92113
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	8192348851

NY MANIFEST:

Document ID:	NYB5660415
Manifest Status:	K
seq:	Not reported
Year:	1993
Trans1 State ID:	409234
Trans2 State ID:	Not reported
Generator Ship Date:	04/30/1993
Trans1 Recv Date:	04/30/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/26/1993
Part A Recv Date:	05/17/1993
Part B Recv Date:	06/09/1993
Generator EPA ID:	CAD981418395
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD048148175
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

NPDES:

Facility Status:	Active
NPDES Number:	CA0109142
Region:	9
Agency Number:	9293
Regulatory Measure ID:	400280
Place ID:	215572
Order Number:	R9-2015-0009
WDID:	9 000000400
Regulatory Measure Type:	NPDES Permits
Program Type:	NPDINDSML
Adoption Date Of Regulatory Measure:	03/16/2015
Effective Date Of Regulatory Measure:	06/01/2015
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	05/31/2020
Discharge Address:	1995 Bayfront Street
Discharge Name:	Huntington Ingalls (HII) San Diego Shipyard, Inc.
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92113
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:	CA0109142
Status:	Historical

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

Agency Number:	9293
Region:	9
Regulatory Measure ID:	352044
Order Number:	R9-2008-0049
Regulatory Measure Type:	NPDES Permits
Place ID:	215572
WDID:	9 000000400
Program Type:	NPDINDSML
Adoption Date Of Regulatory Measure:	08/13/2008
Effective Date Of Regulatory Measure:	08/13/2008
Expiration Date Of Regulatory Measure:	08/13/2013
Termination Date Of Regulatory Measure:	05/31/2015
Discharge Name:	Continental Maritime of San Diego, Inc.
Discharge Address:	1995 Bayfront Street
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92113
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 Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

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
NPDES Number:	CA0109142
Status:	Active
Agency Number:	9293
Region:	9
Regulatory Measure ID:	400280
Order Number:	R9-2015-0009
Regulatory Measure Type:	NPDES Permits
Place ID:	215572
WDID:	9 000000400
Program Type:	NPDINDSML
Adoption Date Of Regulatory Measure:	03/16/2015
Effective Date Of Regulatory Measure:	06/01/2015
Expiration Date Of Regulatory Measure:	05/31/2020
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Continental Maritime of San Diego, Inc.
Discharge Address:	1995 Bayfront Street
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92113
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

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000412848**

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 Commertial 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

D141 **CONTINENTAL MARITIME OF S D** **CA LUST** **S103978937**
NNW **1995 BAYFRONT ST** **CA SAN DIEGO CO. SAM** **N/A**
< 1/8 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.033 mi. **CA SWEEPS UST**
173 ft. **Site 3 of 17 in cluster D** **CA HIST UST**
CA SAN DIEGO CO LOP

Relative: Higher

Actual: 23 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301763
Global Id:	T0607301763
Latitude:	32.6957905375685
Longitude:	-117.147869110304
Status:	Completed - Case Closed
Status Date:	04/15/2005
Case Worker:	Not reported
RB Case Number:	9UT2996
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H00120-002

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0607301763
Action Type: Other
Date: 08/30/1990
Action: Leak Reported

Global Id: T0607301763
Action Type: ENFORCEMENT
Date: 08/31/1990
Action: Notice of Responsibility

Global Id: T0607301763
Action Type: Other
Date: 08/30/1990
Action: Leak Discovery

Global Id: T0607301763
Action Type: Other
Date: 08/30/1990
Action: Leak Began

Global Id: T0607301763
Action Type: Other
Date: 08/30/1990
Action: Leak Stopped

LUST:
Global Id: T0607301763
Status: Completed - Case Closed
Status Date: 04/15/2005

Global Id: T0607301763
Status: Open - Case Begin Date
Status Date: 08/30/1990

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300219
Global Id: T0607300219
Latitude: 32.6948163186332
Longitude: -117.14772105217
Status: Completed - Case Closed
Status Date: 05/25/1989
Case Worker: Not reported
RB Case Number: 9UT138
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H00120-001
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

LUST:
Global Id: T0607300219
Action Type: Other
Date: 12/12/1986
Action: Leak Discovery

Global Id: T0607300219
Action Type: Other
Date: 12/12/1986
Action: Leak Reported

Global Id: T0607300219
Action Type: Other
Date: 12/12/1986
Action: Leak Began

Global Id: T0607300219
Action Type: Other
Date: 12/12/1986
Action: Leak Stopped

LUST:
Global Id: T0607300219
Status: Completed - Case Closed
Status Date: 05/25/1989

Global Id: T0607300219
Status: Open - Case Begin Date
Status Date: 12/12/1986

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301225
Global Id: T0607301225
Latitude: 32.6947395724778
Longitude: -117.147731781006
Status: Completed - Case Closed
Status Date: 02/24/1997
Case Worker: Not reported
RB Case Number: 9UT2467
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H00120-003
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0607301225
Action Type: Other
Date: 07/10/1992
Action: Leak Reported

Global Id: T0607301225
Action Type: Other
Date: 07/10/1992

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Action: Leak Began

Global Id: T0607301225
Action Type: Other
Date: 07/10/1992
Action: Leak Discovery

LUST:
Global Id: T0607301225
Status: Completed - Case Closed
Status Date: 02/24/1997

Global Id: T0607301225
Status: Open - Case Begin Date
Status Date: 07/10/1992

SAN DIEGO CO. SAM:
Case Number: H00120-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/25/1989
Date Began: 12/12/1986

Case Number: H00120-002
Agency: DEH Site Assessment & Mitigation
Funding: **POP**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 4/15/2005
Date Began: 8/30/1990

Case Number: H00120-003
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 2/24/1997
Date Began: 7/10/1992

HMMD SAN DIEGO:
Permit Number: 100120
Business Type: 6HK71
EPA Id Number: CAD981418395
APN: 538-660-22-00
Last HMMD Inspection: 10/21/2009
Facility Telephone: 619-234-8851
Permit Status: INAC
Permit Expiration: 04/30/2012
Date Last Updated: 11/02/2012
Facility Owner: CONTINENTAL MARITIME OF S, INC
Facility Mailing Address: 1995 BAYFRONT ST
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Facility Mailing Zip: 92113-2122
UST Owner: CONTINENTAL MARITIME OF SD INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Violations Inactive Permits:
Permit Number: 100120
Update Date: 11/02/2012
Inspection Date: 11/13/2004
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: Inactive Permit

Permit Number: 100120
Update Date: 11/02/2012
Inspection Date: 10/21/2005
Violation Code: 6HV1602
Violation: P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation: Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity: Inactive Permit

Permit Number: 100120
Update Date: 11/02/2012
Inspection Date: 04/01/2008
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: Inactive Permit

Permit Number: 100120
Update Date: 11/02/2012
Inspection Date: 04/01/2008
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: Inactive Permit

UST:
UST Name: UNDERGROUND TANK 100120 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: CD-1
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: CLOSED

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: CG-1
Capacity Gallons: 500
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: FD-1
Capacity Gallons: 2000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1979-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: FD-2
Capacity Gallons: 6000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100120 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	UNKNOWN
Additional Id:	AT1978
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1990-07-19 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100120 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	UNKNOWN
Additional Id:	AT2018
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1990-07-19 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100120 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	SINGLE WALL
Additional Id:	007
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1994-06-20 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100120 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	SINGLE WALL

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Additional Id:	008
Capacity Gallons:	2200
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1994-03-05 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Permit Number:	100120
Business Type:	6HK71
EPA Id Number:	CAD981418395
APN:	538-660-22-00
Last HMMD Inspection:	10/21/2009
Facility Telephone:	619-234-8851
Permit Status:	INAC
Permit Expiration:	04/30/2012
Date Last Updated:	11/02/2012
Facility Owner:	CONTINENTAL MARITIME OF S, INC
Facility Mailing Address:	1995 BAYFRONT ST
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92113-2122
UST Owner:	CONTINENTAL MARITIME OF SD INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	100120
Update Date:	11/02/2012
Inspection Date:	11/13/2004
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	Inactive Permit

Permit Number:	100120
Update Date:	11/02/2012
Inspection Date:	10/21/2005
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	Inactive Permit

Permit Number:	100120
Update Date:	11/02/2012

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Inspection Date: 04/01/2008
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: Inactive Permit

Permit Number: 100120
Update Date: 11/02/2012
Inspection Date: 04/01/2008
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: Inactive Permit

UST:
UST Name: UNDERGROUND TANK 100120 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: CD-1
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: CLOSED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: CG-1
Capacity Gallons: 500
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: FD-1
Capacity Gallons: 2000

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1979-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100120 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	UNKNOWN
Additional Id:	FD-2
Capacity Gallons:	6000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100120 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	UNKNOWN
Additional Id:	AT1978
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1990-07-19 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100120 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	UNKNOWN
Additional Id:	AT2018
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1990-07-19 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: SINGLE WALL
Additional Id: 007
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-06-20 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: SINGLE WALL
Additional Id: 008
Capacity Gallons: 2200
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-03-05 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CA4170090613
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-556-1055
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 03/24/2018
Facility Owner: Not reported
Facility Mailing Address: 3755 Brinser St. STE 1 Code 106B, San Diego, CA 92136
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2007-HUPFP-208644
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-208644
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 4094468
Return To Compliance Date: 2015-04-30T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-03-24T01:15:46.000
Inspection Date: 2015-03-30T00:00:00.000
Violation Code: 3110012 RCRA:Failure to maintain a copy of the contingency plan and all revisions: 1) At the facility; and 2) Submitted to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services. 22 CCR 15 66265.53.

Waste and Materials:
Record ID: DEH2007-HUPFP-208644
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2007-HWAST-451201
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-24T01:15:56.000
Chemical Name: WASTE 741 LIQ W HALOG ORG >OR= 1000MG/L
Common Name: Not reported
Case Number: Not reported

Record ID: DEH2007-HUPFP-208644
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2007-HWAST-451196
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-24T01:15:56.000
Chemical Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name: Not reported
Case Number: Not reported

Record ID: DEH2007-HUPFP-208644
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2007-HWAST-451197
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-24T01:15:56.000
Chemical Name: WASTE 281 ADHESIVES

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Common Name: Not reported
Case Number: Not reported

Record ID: DEH2007-HUPFP-208644
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2007-HWAST-451198
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-24T01:15:56.000
Chemical Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Common Name: Not reported
Case Number: Not reported

Record ID: DEH2007-HUPFP-208644
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2007-HWAST-451199
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-24T01:15:56.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: Not reported
Case Number: Not reported

Record ID: DEH2007-HUPFP-208644
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2007-HWAST-451200
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-24T01:15:56.000
Chemical Name: WASTE 461 PAINT SLUDGE
Common Name: Not reported
Case Number: Not reported

Record ID: DEH2007-HUPFP-208644
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2007-HWAST-451202
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-24T01:15:56.000
Chemical Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Common Name: Not reported
Case Number: Not reported

Permit Number: 100120
Business Type: 6HK71
EPA Id Number: CAD981418395
APN: 538-660-22-00
Last HMMD Inspection: 10/21/2009
Facility Telephone: 619-234-8851
Permit Status: INAC
Permit Expiration: 04/30/2012
Date Last Updated: 11/02/2012

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Facility Owner:	CONTINENTAL MARITIME OF S, INC
Facility Mailing Address:	1995 BAYFRONT ST
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92113-2122
UST Owner:	CONTINENTAL MARITIME OF SD INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	100120
Update Date:	11/02/2012
Inspection Date:	11/13/2004
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	Inactive Permit

Permit Number:	100120
Update Date:	11/02/2012
Inspection Date:	10/21/2005
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	Inactive Permit

Permit Number:	100120
Update Date:	11/02/2012
Inspection Date:	04/01/2008
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	Inactive Permit

Permit Number:	100120
Update Date:	11/02/2012
Inspection Date:	04/01/2008
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	Inactive Permit

UST:

UST Name:	UNDERGROUND TANK 100120 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	UNKNOWN
Additional Id:	CD-1

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	CLOSED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100120 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	UNKNOWN
Additional Id:	CG-1
Capacity Gallons:	500
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100120 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	UNKNOWN
Additional Id:	FD-1
Capacity Gallons:	2000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1979-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100120 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	100120
Tank Type:	UNKNOWN
Additional Id:	FD-2
Capacity Gallons:	6000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: AT1978
Capacity Gallons: 10000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1990-07-19 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: UNKNOWN
Additional Id: AT2018
Capacity Gallons: 12000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1990-07-19 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100120 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: SINGLE WALL
Additional Id: 007
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-06-20 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

UST Name: UNDERGROUND TANK 100120 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 100120
Tank Type: SINGLE WALL
Additional Id: 008
Capacity Gallons: 2200
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-03-05 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Permit Number: 208644
Business Type: 6HK57
EPA Id Number: CA4170090613
APN: 538-660-22-00
Last HMMD Inspection: 03/20/2008
Facility Telephone: 619-556-1055
Permit Status: OPEN
Permit Expiration: 07/31/2013
Date Last Updated: 11/02/2012
Facility Owner: USN - SWRMC
Facility Mailing Address: 33755 BRINSER ST
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92136-5299
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 281 ADHESIVES
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Permit Number: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 741 LIQ W HALOG ORG >OR= 1000MG/L
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 208644
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SWEEPS UST:
Status: Active
Comp Number: 120
Number: 9
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 6

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000002
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000003
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000004
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000005
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 120
Number: Not reported
Board Of Equalization: 44-021534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000120-000006
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 0002ACEC
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002ACEC.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

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

Click here for Geo Tracker PDF:

SAN DIEGO CO LOP:

Record ID:	DEH1986-LSAM-H00120-001
Record Status:	Completed
Opened Date:	12/12/1986
Parcel Number:	538-660-22-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CONTINENTAL MARITIME
SWRCB Global ID:	T0607300219
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/12/1986
Census Tract:	50.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1289 C 5
Latitude:	32.6965176
Longitude:	-117.1484258
X MapCoord:	6285327.880
Y MapCoord:	1834348.705
Record ID:	DEH1990-LSAM-H00120-002
Record Status:	Completed
Opened Date:	08/30/1990
Parcel Number:	538-660-22-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CONTINENTAL MARITIME
SWRCB Global ID:	T0607301763
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	08/30/1990
Census Tract:	50.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO

CONTINENTAL MARITIME OF S D (Continued) **S103978937**

Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1289 C 5
Latitude:	32.6965176
Longitude:	-117.1484258
X MapCoord:	6285327.880
Y MapCoord:	1834348.705
Record ID:	DEH1992-LSAM-H00120-003
Record Status:	Completed
Opened Date:	07/10/1992
Parcel Number:	538-660-22-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CONTINENTAL MARITIME OF SD
SWRCB Global ID:	T0607301225
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	07/13/1992
Census Tract:	50.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1289 C 5
Latitude:	32.6965176
Longitude:	-117.1484258
X MapCoord:	6285327.880
Y MapCoord:	1834348.705

D142 **PIER 6 MAINTENANCE DREDGING** **CA ENF** **S113149987**
NNW **1995 BAY FRONT STREET** **CA HAZNET** **N/A**
< 1/8 **SAN DIEGO, CA 92113** **CA HWT**
0.033 mi.
173 ft. **Site 4 of 17 in cluster D**

Relative:
Higher

Actual:
23 ft.

ENF:

Region:	9
Facility Id:	823227
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	All Other
Place Subtype:	Dredge/Fill Site
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.69254
Place Longitude:	-117.149293
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

PIER 6 MAINTENANCE DREDGING (Continued) **S113149987**

# 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:	CERDREDGE
Program Category1:	CER
Program Category2:	CER
# Of Programs:	1
WDID:	9 000001949
Reg Measure Id:	369147
Reg Measure Type:	401 Certification
Region:	9
Order #:	09C-055
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:	1660
Status:	Historical
Status Date:	05/04/2016
Effective Date:	11/30/2009
Expiration/Review Date:	11/30/2014
Termination Date:	11/30/2014
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:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	400826
Region:	9
Order / Resolution Number:	09C-055
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	05/06/2015
Adoption/Issuance Date:	05/06/2015
Achieve Date:	Not reported
Termination Date:	05/06/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL re 401 Cert 09C-055 for Continental Maritime (Pier 6 Maintenance Dredging)
Description:	SEL for inadequate reporting
Program:	CERDREDGE
Latest Milestone Completion Date:	Not reported

PIER 6 MAINTENANCE DREDGING (Continued) **S113149987**

# 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

HAZNET:

envid:	S113149987
Year:	2007
GEPAID:	CAL000325219
Contact:	RHONDA WALKER
Telephone:	8585693590
Mailing Name:	Not reported
Mailing Address:	3853 CALLE FORTUNADA
Mailing City,St,Zip:	SAN DIEGO, CA 921231824
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S113149987
Year:	2007
GEPAID:	CAL000325219
Contact:	RHONDA WALKER
Telephone:	8585693590
Mailing Name:	Not reported
Mailing Address:	3853 CALLE FORTUNADA
Mailing City,St,Zip:	SAN DIEGO, CA 921231824
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S113149987
Year:	2007
GEPAID:	CAL000325219
Contact:	RHONDA WALKER
Telephone:	8585693590
Mailing Name:	Not reported
Mailing Address:	3853 CALLE FORTUNADA
Mailing City,St,Zip:	SAN DIEGO, CA 921231824
Gen County:	Not reported

PIER 6 MAINTENANCE DREDGING (Continued) **S113149987**

TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.09
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

envid:	S113149987
Year:	2007
GEPAID:	CAL000325219
Contact:	RHONDA WALKER
Telephone:	8585693590
Mailing Name:	Not reported
Mailing Address:	3853 CALLE FORTUNADA
Mailing City,St,Zip:	SAN DIEGO, CA 921231824
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2 with metals
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.08
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego

HWT:

Reg Num:	2606
Expiration Date:	12/31/2018

D143 **CONTINENTAL MARITIME OF SD INC** **CA CPS-SLIC 1006433125**
NNW **1995 BAY FRONT ST** **CA EMI N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.033 mi.
173 ft. **Site 5 of 17 in cluster D**

Relative:
Higher

Actual:
23 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	01/11/1995
Global Id:	T0608163896
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H35321-001
Latitude:	32.6970148422411
Longitude:	-117.148633003235
Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Heating Oil / Fuel Oil
Site History:	Not reported

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Click here to access the California GeoTracker records for this facility:

EMI:

Year:	1993
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	13
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 Smllr Tons/Yr:	2

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	13
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 Smllr Tons/Yr:	2

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	13
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 Smllr Tons/Yr:	2

Year:	1997
County Code:	37

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2004
County Code: 37
Air Basin: SD
Facility ID: 5056
Air District Name: SD
SIC Code: 3731
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5.06453093
Reactive Organic Gases Tons/Yr: 5.04911411
Carbon Monoxide Emissions Tons/Yr: 0.24671097
NOX - Oxides of Nitrogen Tons/Yr: 0.4989847
SOX - Oxides of Sulphur Tons/Yr: 0.00455465
Particulate Matter Tons/Yr: 0.28677596
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.28677596

Year: 2005
County Code: 37
Air Basin: SD
Facility ID: 5056
Air District Name: SD
SIC Code: 3731
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5.02082
Reactive Organic Gases Tons/Yr: 5.01131
Carbon Monoxide Emissions Tons/Yr: .23935
NOX - Oxides of Nitrogen Tons/Yr: .47463
SOX - Oxides of Sulphur Tons/Yr: .0045613
Particulate Matter Tons/Yr: .2985231000888681072
Part. Matter 10 Micrometers and Smllr Tons/Yr: .239802

Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 4845
Air District Name: SD
SIC Code: 9711
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 54.808598522
Reactive Organic Gases Tons/Yr: 54.551607458
Carbon Monoxide Emissions Tons/Yr: 3.058473788
NOX - Oxides of Nitrogen Tons/Yr: 7.144869607
SOX - Oxides of Sulphur Tons/Yr: .075431852
Particulate Matter Tons/Yr: .822345594
Part. Matter 10 Micrometers and Smllr Tons/Yr: .822256687

Year: 2007
County Code: 37
Air Basin: SD

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.12817
Reactive Organic Gases Tons/Yr:	8.11866
Carbon Monoxide Emissions Tons/Yr:	.35877
NOX - Oxides of Nitrogen Tons/Yr:	1.09
SOX - Oxides of Sulphur Tons/Yr:	.01181
Particulate Matter Tons/Yr:	.317842
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.317842

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.12817
Reactive Organic Gases Tons/Yr:	8.11866
Carbon Monoxide Emissions Tons/Yr:	.35877
NOX - Oxides of Nitrogen Tons/Yr:	1.09
SOX - Oxides of Sulphur Tons/Yr:	.01181
Particulate Matter Tons/Yr:	.317842
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.317842

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.1799999999999997
Reactive Organic Gases Tons/Yr:	8.1600000000000001
Carbon Monoxide Emissions Tons/Yr:	0.40000000000000002
NOX - Oxides of Nitrogen Tons/Yr:	1.1200000000000001
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.32000000000000001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.32000000000000001

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Total Organic Hydrocarbon Gases Tons/Yr:	4.28
Reactive Organic Gases Tons/Yr:	3.82
Carbon Monoxide Emissions Tons/Yr:	0.41
NOX - Oxides of Nitrogen Tons/Yr:	1.13
SOX - Oxides of Sulphur Tons/Yr:	0.01
Particulate Matter Tons/Yr:	0.26
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.26

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.28
Reactive Organic Gases Tons/Yr:	3.82
Carbon Monoxide Emissions Tons/Yr:	0.41
NOX - Oxides of Nitrogen Tons/Yr:	1.13
SOX - Oxides of Sulphur Tons/Yr:	0.01
Particulate Matter Tons/Yr:	0.26
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.26

Year:	2013
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.28
Reactive Organic Gases Tons/Yr:	3.82
Carbon Monoxide Emissions Tons/Yr:	0.41
NOX - Oxides of Nitrogen Tons/Yr:	1.13
SOX - Oxides of Sulphur Tons/Yr:	0.01
Particulate Matter Tons/Yr:	0.26
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.26

Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.275463
Reactive Organic Gases Tons/Yr:	3.813724
Carbon Monoxide Emissions Tons/Yr:	0.36946
NOX - Oxides of Nitrogen Tons/Yr:	1.04526
SOX - Oxides of Sulphur Tons/Yr:	0.029041
Particulate Matter Tons/Yr:	0.268188

CONTINENTAL MARITIME OF SD INC (Continued) **1006433125**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0.268188

Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.4444658
Reactive Organic Gases Tons/Yr:	3.4370213
Carbon Monoxide Emissions Tons/Yr:	0.1617827
NOX - Oxides of Nitrogen Tons/Yr:	0.6419
SOX - Oxides of Sulphur Tons/Yr:	0.00110734
Particulate Matter Tons/Yr:	0.51826497
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.51511197

Year:	2016
County Code:	37
Air Basin:	SD
Facility ID:	5056
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.4444658
Reactive Organic Gases Tons/Yr:	3.4370213
Carbon Monoxide Emissions Tons/Yr:	0.1617827
NOX - Oxides of Nitrogen Tons/Yr:	0.6419
SOX - Oxides of Sulphur Tons/Yr:	0.00110734
Particulate Matter Tons/Yr:	0.51826497
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.51511197

D144 **CONTINENTAL MARITIME NASSCO** **RCRA-LQG** **1010313741**
NNW **1995 BAY FRONT STREET** **CA HAZNET** **CAR000177378**
< 1/8 **SAN DIEGO, CA 92113**
0.033 mi.
173 ft. **Site 6 of 17 in cluster D**

Relative: **Higher**

Actual: **23 ft.**

RCRA-LQG:

Date form received by agency:	02/29/2016
Facility name:	CONTINENTAL MARITIME NASSCO
Facility address:	1995 BAY FRONT STREET SAN DIEGO, CA 92113
EPA ID:	CAR000177378
Mailing address:	P.O. BOX 85278 SAN DIEGO, CA 92186
Contact:	T. MICHAEL CHEE
Contact address:	E. HARBOR DRIVE SAN DIEGO, CA 92113
Contact country:	US
Contact telephone:	619-544-7506
Contact email:	MCHEE@NASSCO.COM
EPA Region:	09
Classification:	Large Quantity Generator

CONTINENTAL MARITIME NASSCO (Continued) **1010313741**

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SAN DIEGO UNIFIED PORT DISTRICT
Owner/operator address:	PACIFIC HIGHWAY
	SAN DIEGO, CA 92101
Owner/operator country:	US
Owner/operator telephone:	619-686-7200
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	02/14/1963
Owner/Op end date:	Not reported

Owner/operator name:	CONTINENTAL MARITIME
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	District
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/1986
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CONTINENTAL MARITIME NASSCO (Continued) **1010313741**

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Historical Generators:
Date form received by agency: 03/01/2014
Site name: CONTINENTAL MARITIME NASSCO
Classification: Large Quantity Generator

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 352

CONTINENTAL MARITIME NASSCO (Continued) **1010313741**

. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 04/25/2012
Site name: CONTINENTAL MARTIME NASSCO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

CONTINENTAL MARITIME NASSCO (Continued) **1010313741**

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

Date form received by agency: 02/24/2010
Site name: CONTINENTAL MARITIME NASSCO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 02/29/2008
Site name: CONTINENTAL MARTIME NASSCO

CONTINENTAL MARITIME NASSCO (Continued) **1010313741**

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

Date form received by agency: 09/19/2006
Site name: CONTINENTAL MARTIME NASSCO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET,

CONTINENTAL MARITIME NASSCO (Continued) **1010313741**

WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 111320

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 300

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 300

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 300

Waste code: D008
Waste name: LEAD
Amount (Lbs): 300

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 93700

Violation Status: No violations found

HAZNET:

envid: 1010313741
Year: 2015
GEPAID: CAR000177378
Contact: MIKE CHEE
Telephone: 6195447506
Mailing Name: Not reported
Mailing Address: PO BOX 85278 MS 22A
Mailing City,St,Zip: SAN DIEGO, CA 921865287
Gen County: San Diego
TSD EPA ID: TND000772186
TSD County: 99
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Not reported
Tons: 1.25
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

envid: 1010313741
Year: 2015
GEPAID: CAR000177378
Contact: MIKE CHEE
Telephone: 6195447506
Mailing Name: Not reported
Mailing Address: PO BOX 85278 MS 22A
Mailing City,St,Zip: SAN DIEGO, CA 921865287
Gen County: San Diego
TSD EPA ID: TND000772186
TSD County: 99

CONTINENTAL MARITIME NASSCO (Continued) **1010313741**

Waste Category:	Unspecified oil-containing waste
Disposal Method:	H110
Tons:	4.475
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego
envid:	1010313741
Year:	2015
GEPAID:	CAR000177378
Contact:	MIKE CHEE
Telephone:	6195447506
Mailing Name:	Not reported
Mailing Address:	PO BOX 85278 MS 22A
Mailing City,St,Zip:	SAN DIEGO, CA 921865287
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	135.7874
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego
envid:	1010313741
Year:	2015
GEPAID:	CAR000177378
Contact:	MIKE CHEE
Telephone:	6195447506
Mailing Name:	Not reported
Mailing Address:	PO BOX 85278 MS 22A
Mailing City,St,Zip:	SAN DIEGO, CA 921865287
Gen County:	San Diego
TSD EPA ID:	TND000772186
TSD County:	99
Waste Category:	Not reported
Disposal Method:	H110
Tons:	0.45435
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	San Diego
envid:	1010313741
Year:	2015
GEPAID:	CAR000177378
Contact:	MIKE CHEE
Telephone:	6195447506
Mailing Name:	Not reported
Mailing Address:	PO BOX 85278 MS 22A
Mailing City,St,Zip:	SAN DIEGO, CA 921865287
Gen County:	San Diego
TSD EPA ID:	TND000772186
TSD County:	99
Waste Category:	Other inorganic solid waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

CONTINENTAL MARITIME NASSCO (Continued) **1010313741**

(H010-H129) Or (H131-H135)
Tons: 0.15
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
131 additional CA_HAZNET: record(s) in the EDR Site Report.

D145 **CONTINENTAL MARITIME OF SAN DIEGO** **RCRA-LQG** **1000818784**
NNW **1995 BAY FRONT ST.** **CAD983646969**
< 1/8 **SAN DIEGO, CA 92113**
0.033 mi.
173 ft. **Site 7 of 17 in cluster D**

Relative:
Higher

Actual:
23 ft.

RCRA-LQG:
Date form received by agency: 06/28/2016
Facility name: CONTINENTAL MARITIME OF SAN DIEGO
Facility address: 1995 BAY FRONT ST.
SAN DIEGO, CA 92113
EPA ID: CAD983646969
Mailing address: BAY FRONT ST.
SAN DIEGO, CA 92113
Contact: DEWEY YOUNGERMAN
Contact address: BAY FRONT ST.
SAN DIEGO, CA 92113
Contact country: US
Contact telephone: 619-234-8851
Telephone ext.: 236
Contact email: DYOUNGERMAN@CONTINENTALMARITIME.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: PORT OF SAN DIEGO
Owner/operator address: PACIFIC HIGHWAY
SAN DIEGO, CA 92101
Owner/operator country: US
Owner/operator telephone: 619-686-6200
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 12/18/1962

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818784**

Owner/Op end date: Not reported

Owner/operator name: CONTINENTAL MARITIME INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1986
Owner/Op end date: Not reported

Owner/operator name: CONTINENTAL MARITIME OF SAN DIEGO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/31/2011
Owner/Op end date: Not reported

Owner/operator name: CONTINENTAL MARITIME OF SAN DIEGO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/18/1962
Owner/Op end date: Not reported

Owner/operator name: HUNTINGTON INGALLS INCORPORATED
Owner/operator address: 4101 WASHINGTON AVE
NEWPORT NEWS, VA 23607
Owner/operator country: US
Owner/operator telephone: 757-380-4645
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/31/2011
Owner/Op end date: Not reported

Owner/operator name: UNITED STATES NAVY
Owner/operator address: 1995 BAYFRONT STREET
SAN DIEGO, CA 92113

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818784**

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1952
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818784**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 03/16/2012
Site name: CONTINENTAL MARITIME OF SAN DIEGO INC
Classification: Large Quantity Generator

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818784**

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 06/13/2011
Site name: CONTINENTAL MARITIME OF SAN DIEGO
Classification: Large Quantity Generator

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D006
. Waste name: CADMIUM

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818784**

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/03/2008
Site name: CONTINENTAL MARITIME OF SAN DIEGO (NORTH ISLAND GENERATOR)
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818784**

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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/20/2004
Site name: CONTINTAL MARITIME INC.
Classification: Small Quantity Generator

Date form received by agency: 02/20/2004
Site name: CONTINTAL MARITIME INC.
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Date form received by agency: 02/28/2002
Site name: CONTINENTAL MARITIME INC.
Classification: Large Quantity Generator

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818784**

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Date form received by agency: 09/01/1996
Site name: CONTINENTAL MARITIME OF SD INC
Classification: Small Quantity Generator

Date form received by agency: 05/08/1995
Site name: CONTINENTAL MARITIME OF SD INC
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 13042

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 13042

Waste code: D008
Waste name: LEAD
Amount (Lbs): 13042

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 13042

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 10072

Violation Status: No violations found

D146 **CONTINENTAL MARITIME OF SAN DIEGO** **RCRA-LQG** **1000818785**
NNW **1995 BAY FRONT ST** **CAD983646977**
< 1/8 **SAN DIEGO, CA 92113**
0.033 mi.
173 ft. **Site 8 of 17 in cluster D**

Relative:
Higher

Actual:
23 ft.

RCRA-LQG:

Date form received by agency:	03/01/2014
Facility name:	CONTINENTAL MARITIME OF SAN DIEGO
Facility address:	1995 BAY FRONT ST SAN DIEGO, CA 92113
EPA ID:	CAD983646977
Mailing address:	BAY FRONT ST SAN DIEGO, CA 92113
Contact:	DEWEY YOUNGERMAN
Contact address:	BAY FRONT ST SAN DIEGO, CA 92113
Contact country:	Not reported
Contact telephone:	619-234-8851
Contact email:	DYOUNGERMAN@CONTINENTALMARITIME.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	PORT OF SAN DIEGO
Owner/operator address:	PACIFIC HWY SAN DIEGO, CA 92101
Owner/operator country:	Not reported
Owner/operator telephone:	619-686-6200
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	12/18/1962
Owner/Op end date:	Not reported

Owner/operator name:	CONTINENTAL MARITIME IND
Owner/operator address:	1995 BAY FRONT ST SAN DIEGO, CA 92113
Owner/operator country:	Not reported
Owner/operator telephone:	619-234-8851
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818785**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CONTINENTAL MARITIME OF SAN DIEGO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/1986
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Historical Generators:
Date form received by agency: 06/13/2011
Site name: CONTINENTAL MARITIME OF SAN DIEGO
Classification: Large Quantity Generator

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818785**

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818785**

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 02/28/2002
Site name: CONTINENTAL MARITIME INC.
Classification: Small Quantity Generator

Date form received by agency: 02/28/2002
Site name: CONTINENTAL MARITIME INC.
Classification: Large Quantity Generator

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **1000818785**

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 10/12/2000
Site name: CONTINENTAL MARITIME INC. (32ND STREET)
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: CONTINENTAL MARITIME OF SD INC
Classification: Large Quantity Generator

Date form received by agency: 05/08/1995
Site name: CONTINENTAL MARITIME OF SD INC
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Site name: CONTINENTAL MARITIME OF SAN DIEGO, INC.
Classification: Large Quantity Generator

Violation Status: No violations found

D147 **BAE SYSTEMS CMSD** **RCRA-LQG** **1004678397**
NNW **1995 BAY FRONT STREET** **CAR000108548**
< 1/8 **SAN DIEGO, CA 92113**
0.033 mi.
173 ft. **Site 9 of 17 in cluster D**

Relative:
Higher

Actual:
23 ft.

RCRA-LQG:
Date form received by agency: 02/24/2016
Facility name: BAE SYSTEMS CMSD
Facility address: 1995 BAY FRONT STREET
SAN DIEGO, CA 92113
EPA ID: CAR000108548
Mailing address: PO BOX 13308
SAN DIEGO, CA 92170
Contact: SANDOR HALVAX
Contact address: PO BOX 13308
SAN DIEGO, CA 92170
Contact country: US
Contact telephone: 619-557-4210
Contact email: SANDOR.HALVAX@BAESYSTEMS.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

BAE SYSTEMS CMSD (Continued) **1004678397**

Owner/Operator Summary:

Owner/operator name:	SAN DIEGO UNIFIED PORT DISTRICT
Owner/operator address:	PACIFIC HIGHWAY
	SAN DIEGO, CA 92101
Owner/operator country:	US
Owner/operator telephone:	619-686-6200
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	02/14/1963
Owner/Op end date:	Not reported

Owner/operator name:	PORT OF SAN DIEGO
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1965
Owner/Op end date:	Not reported

Owner/operator name:	SOUTHWEST MARINE
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/25/2001
Owner/Op end date:	Not reported

Owner/operator name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1979
Owner/Op end date:	Not reported

Owner/operator name:	SAN DIEGO UNIFIED PORT DISTRICT
Owner/operator address:	3165 PACIFIC HWY. P.O. BOX 488
	SAN DIEGO, CA 92101
Owner/operator country:	US

BAE SYSTEMS CMSD (Continued) **1004678397**

Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 03/14/1963
Owner/Op end date: Not reported

Owner/operator name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/17/1979
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 222
. Waste name: Oil/water separation sludge

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: 791
. Waste name: Liquids with pH < 2

BAE SYSTEMS CMSD (Continued) **1004678397**

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 08/21/2012
Site name: BAE SYSTEMS CMSD
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002

BAE SYSTEMS CMSD (Continued) **1004678397**

. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 03/01/2008
Site name: BAE SYSTEMS CMSD
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

Date form received by agency: 02/24/2006
Site name: BAE SYSTEMS / CMSD
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 07/22/2005
Site name: BAE SYSTEMS CMSD

BAE SYSTEMS CMSD (Continued) **1004678397**

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, 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 name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

BAE SYSTEMS CMSD (Continued) **1004678397**

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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

Date form received by agency: 03/01/2004
Site name: SOUTHWEST MARINE CMSD
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Date form received by agency: 03/28/2002
Site name: SOUTHWEST MARINE, INC. (CMSD)
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Date form received by agency: 11/05/2001
Site name: SOUTHWEST MARINE C M S D

BAE SYSTEMS CMSD (Continued) **1004678397**

Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 21110

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 18000

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 19660

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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

BAE SYSTEMS CMSD (Continued) **1004678397**

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 430

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 430

Violation Status: No violations found

D148 **CONTINENTAL MARITIME OF SAN DIEGO** **CA AST** **A100345664**
NNW **1995 BAYFRONT ST** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.033 mi.
173 ft. **Site 10 of 17 in cluster D**

Relative: **Higher**
Actual: **23 ft.**

AST:

Certified Unified Program Agencies:	Not reported
Owner:	Huntington Ingall Incorp.
Total Gallons:	Not reported
CERSID:	10055647
Facility ID:	37-000-215183
Business Name:	CONTINENTAL MARITIME OF S D, INC
Phone:	619-234-8851
Fax:	Not reported
Mailing Address:	1995 BAYFRONT ST
Mailing Address City:	SAN DIEGO
Mailing Address State:	CA
Mailing Address Zip Code:	92113
Operator Name:	Continental Maritime of San Diego
Operator Phone:	619-234-8851
Owner Phone:	(757) 380-2000
Owner Mail Address:	4101 Washington Ave
Owner State:	VA
Owner Zip Code:	23607
Owner Country:	United States
Property Owner Name:	SAN DIEGO UNIFIED PORT DISTRICT
Property Owner Phone:	619-686-6200
Property Owner Mailing Address:	3165 Pacific Highway
Property Owner City:	San Diego
Property Owner Stat :	CA
Property Owner Zip Code:	925112
Property Owner Country:	United States
EPAID:	CAD981418395

Certified Unified Program Agencies:	San Diego
Owner:	CONTINENTAL MARITIME OF S, INC
Total Gallons:	16313
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported

CONTINENTAL MARITIME OF SAN DIEGO (Continued) **A100345664**

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

D149 **SOUTHWEST MARINE** **RCRA-LQG** **1008194718**
NNW **1995 BAYFRONT STREET** **CAP000147272**
< 1/8 **SAN DIEGO, CA 92113**
0.033 mi.
173 ft. **Site 11 of 17 in cluster D**

Relative:
Higher

Actual:
23 ft.

RCRA-LQG:

Date form received by agency:	02/16/2004
Facility name:	SOUTHWEST MARINE
Facility address:	1995 BAYFRONT STREET SAN DIEGO, CA 92113
EPA ID:	CAP000147272
Mailing address:	P.O. BOX 85278 MS-22A SAN DIEGO, CA 92186-5278
Contact:	MICHAEL T CHEE
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	619-544-7778
Contact email:	MCHEE@NASSCO.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

SOUTHWEST MARINE (Continued) **1008194718**

Owner/operator name: SOUTHWEST MARINE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/14/1976
Owner/Op end date: Not reported

Owner/operator name: SAN DIEGO PORT DISTRICT
Owner/operator address: P.O BOX 120488
SAN DIEGO, CA 92112
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: 02/14/1963
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

SOUTHWEST MARINE (Continued) **1008194718**

Violation Status: No violations found

D150
NNW
< 1/8
0.033 mi.
173 ft.

SOUTHWEST MARINE, INC.(CMSD-PROVISIONAL) **RCRA-LQG** **1007200573**
1995 BAY FRONT STREET **CAP000101121**
SAN DIEGO, CA 92113

Site 12 of 17 in cluster D

Relative:
Higher

Actual:
23 ft.

RCRA-LQG:

Date form received by agency:	03/29/2002
Facility name:	SOUTHWEST MARINE, INC.(CMSD-PROVISIONAL)
Facility address:	1995 BAY FRONT STREET SAN DIEGO, CA 92113
EPA ID:	CAP000101121
Mailing address:	SOUTHWEST MARINE, INC. FOOT OF SAMPSON ST. SAN DIEGO, CA 92113
Contact:	KENNETH E PETERSON
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	619-238-1000
Telephone ext.:	2059
Contact email:	Not reported
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONTINENTAL MARITIME, INC.
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1980
Owner/Op end date:	Not reported
Owner/operator name:	NORTHROP-GRUMMAN, INC.
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported

SOUTHWEST MARINE, INC.(CMSD-PROVISIONAL) (Continued) **1007200573**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1980
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Yes

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

D151 **FORMER UNOCAL 351322** **RCRA-SQG** **1023675086**
NNW **1995 BAY FRONT STREET** **CAR000270488**
< 1/8 **SAN DIEGO, CA 92113**
0.033 mi.
173 ft. **Site 13 of 17 in cluster D**

Relative:
Higher

Actual:
23 ft.

RCRA-SQG:
Date form received by agency: 02/21/2017
Facility name: FORMER UNOCAL 351322
Facility address: 1995 BAY FRONT STREET
SAN DIEGO, CA 92113
EPA ID: CAR000270488
Mailing address: PO BOX 6004
SAN RAMON, CA 94583
Contact: KWAME O AWUKU
Contact address: PO BOX 6004
SAN RAMON, CA 94583

FORMER UNOCAL 351322 (Continued) **1023675086**

Contact country:	US
Contact telephone:	925-842-3872
Contact email:	NAWTDESK@CHEVRON.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHEVRON EMC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/30/2011
Owner/Op end date:	Not reported

Owner/operator name:	CONTINENTAL MARITIME OF SAN DIEGO
Owner/operator address:	BAY FRONT STREET
	SAN DIEGO, CA 92101
Owner/operator country:	US
Owner/operator telephone:	877-386-6044
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2010
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: 343

FORMER UNOCAL 351322 (Continued) **1023675086**

. Waste name: Unspecified organic liquid mixture

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

D152 **SOUTHBAY SANDBLASTING AND TANK CLEAN** **RCRA-SQG** **1001217436**
NNW **1995 BAYFRONT ST PIER 1 2 3 AN** **FINDS** **CAR000034363**
< 1/8 **SAN DIEGO, CA 92173** **ECHO**
0.033 mi.
173 ft. **Site 14 of 17 in cluster D**

Relative:
Higher

Actual:
23 ft.

RCRA-SQG:
Date form received by agency: 12/04/1997
Facility name: SOUTHBAY SANDBLASTING AND TANK CLEAN
Facility address: 1995 BAYFRONT ST PIER 1 2 3 AN
SAN DIEGO, CA 92173
EPA ID: CAR000034363
Mailing address: 3763 DELBERGIA ST
SAN DIEGO, CA 92113
Contact: CARLOS BERNAL
Contact address: 3763 DELBERGIA ST
SAN DIEGO, CA 92113
Contact country: US
Contact telephone: 619-238-8338
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CANUTO LOPEZ
Owner/operator address: 3763 DELBERGIA ST
SAN DIEGO, CA 92113
Owner/operator country: Not reported
Owner/operator telephone: 619-238-8338
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

SOUTHBAY SANDBLASTING AND TANK CLEAN (Continued) **1001217436**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/04/1997
Site name: SOUTHBAY SANDBLASTING AND TANK CLEAN
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: U249
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

Date form received by agency: 12/04/1997

SOUTHBAY SANDBLASTING AND TANK CLEAN (Continued) **1001217436**

Site name: SOUTHBAY SANDBLASTING AND TANK CLEAN
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002920199

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: 1001217436
Registry ID: 110002920199
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002920199

D153 **SWRMC USN, AT CMSD** **RCRA-LQG** **1000820618**
NNW **1995 BAY FRONT STREET** **CA4170090613**
< 1/8 **SAN DIEGO, CA 92113**
0.033 mi.
173 ft. **Site 15 of 17 in cluster D**

Relative: **Higher**
Actual: **23 ft.**

RCRA-LQG:
Date form received by agency: 03/07/2016
Facility name: SWRMC USN, AT CMSD
Facility address: 1995 BAY FRONT STREET
SAN DIEGO, CA 92113
EPA ID: CA4170090613
Mailing address: BRINSER STREET
SUITE 1 CODE 106B
SAN DIEGO, CA 92136
Contact: ROBERT J RILEY
Contact address: BRINSER STREET SUITE 1 CODE 106B
SAN DIEGO, CA 92136
Contact country: US
Contact telephone: 619-556-2815
Contact email: ROBERT.J.RILEY.CTR@NAVY.MIL
EPA Region: 09
Land type: County
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less

SWRMC USN, AT CMSD (Continued) **1000820618**

of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	PORT OF SAN DIEGO
Owner/operator address:	PACIFIC HIGHWAY
	SAN DIEGO, CA 92101
Owner/operator country:	US
Owner/operator telephone:	619-686-6200
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	County
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1930
Owner/Op end date:	Not reported

Owner/operator name:	CMSD
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	County
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1975
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	122
. Waste name:	Alkaline solution without metals (pH > 12.5)

. Waste code:	181
. Waste name:	Other inorganic solid waste

. Waste code:	214

SWRMC USN, AT CMSD (Continued) **1000820618**

. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 271
. Waste name: Organic monomer waste (includes unreacted resins)

. Waste code: 281
. Waste name: Adhesives

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 561
. Waste name: Detergent and soap

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

SWRMC USN, AT CMSD (Continued) **1000820618**

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: 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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 03/01/2014
Site name: CONTINENTAL MARITIME OF SAN DIEGO
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN

SWRMC USN, AT CMSD (Continued) **1000820618**

THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D033
. Waste name: HEXACHLOROBUTADIENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 04/17/2012
Site name: SWRMC/SUPSHIP USN, AT CMSD
Classification: Large Quantity Generator

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 281
. Waste name: Adhesives

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

SWRMC USN, AT CMSD (Continued) **1000820618**

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 06/17/2010
Site name: SWRMC/SUPSHIP USN, AT CMSD
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

SWRMC USN, AT CMSD (Continued) **1000820618**

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 02/20/2008
Site name: SOUTHWEST REGIONAL MAINTENANCE CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 02/15/2006
Site name: SOUTHWEST REGIONAL MAINTENANCE CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

SWRMC USN, AT CMSD (Continued) **1000820618**

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 02/15/2006
Site name: SOUTHWEST REGIONAL MAINTENANCE CENTER
Classification: Small Quantity Generator

Date form received by agency: 02/16/2005
Site name: SOUTH WEST REGIONAL MAINTENANCE CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: F001

SWRMC USN, AT CMSD (Continued) **1000820618**

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, 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.

Date form received by agency: 10/12/2000
Site name: CONTINENTAL MARITIME OF SAN DIEGO
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: CONTINENTAL MARITIME OF SAN DIEGO
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: USNAVY SUPERVISOR OF SHIPBUILDING
Classification: Large Quantity Generator

Date form received by agency: 02/26/1996
Site name: CONTINENTAL MARITIME SAN DIEGO
Classification: Large Quantity Generator

Date form received by agency: 03/18/1994
Site name: CONTINENTAL MARITIME OF SAN DIEGO, INC.
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 12213

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 1581

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 24487

SWRMC USN, AT CMSD (Continued) **1000820618**

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 12218

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 24795

Waste code: D008
Waste name: LEAD
Amount (Lbs): 24680

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 12209

Waste code: D011
Waste name: SILVER
Amount (Lbs): 276

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 9279

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 11154

Waste code: F002
Waste name: 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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 9

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 03/30/2015
Date achieved compliance: 04/30/2015
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

SWRMC USN, AT CMSD (Continued) **1000820618**

Evaluation Action Summary:
Evaluation date: 04/05/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 04/30/2015
Evaluation lead agency: State

D154 **CONTINENTAL MARITIME** **CA ENVIROSTOR** **S104746413**
NNW **1995 BAY FRONT ST** **CA CPS-SLIC** **N/A**
< 1/8 **SAN DIEGO, CA 92113** **CA San Diego Co. HMMD**
0.033 mi. **CA CHMIRS**
173 ft. **Site 16 of 17 in cluster D** **CA ENF**
CA HIST CORTESE
Relative: Higher **CA CIWQS**

Actual: 23 ft.

ENVIROSTOR:
Facility ID: 71002826
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 80
Senate: 40
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.69567
Longitude: -117.1467
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981418395
Alias Type: EPA Identification Number
Alias Name: 110000781501
Alias Type: EPA (FRS #)
Alias Name: 71002826
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported

CONTINENTAL MARITIME (Continued) **S104746413**

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:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/16/2013
Global Id: T0608190985
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02857-001
Latitude: 32.69446
Longitude: -117.144739
Case Type: Cleanup Program Site
Case Worker: SW
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:
Permit Number: 106677
Business Type: 6HK70
EPA Id Number: CAL000196534
APN: 538-660-43-00
Last HMMD Inspection: 12/17/1999
Facility Telephone: 858-514-1280
Permit Status: INAC
Permit Expiration: 03/31/2002
Date Last Updated: 11/02/2012
Facility Owner: OWENS O'BRIAN
Facility Mailing Address: 3635 RUFFIN RD
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92123-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

CONTINENTAL MARITIME (Continued) **S104746413**

CHMIRS:

OES Incident Number:	8-1243
OES notification:	03/12/1998
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:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	USCG-MSO San Diego
Incident Date:	3/12/199812:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	No
Site Type:	Road
E Date:	Not reported
Substance:	Hydraulic Fluid
Gallons:	10-20
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported

CONTINENTAL MARITIME (Continued) **S104746413**

#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:	CalTrans vehicle sprewed fluid from overpass onto approximatly 70 vehicles parked below belonging to employees of Continental Maritime. CalTrans appraently not doing clean-up to vehicles; Russel McCarthy from Continental Maritime (619)234-8851 X--531 called USCG to report the following after calling both Caltrans & RWQCB-9 and getting either no response or incorrect response. Someone RWQ??? told him to take the vehicles to a carwash. Not reported

ENF:

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.14499
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
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:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1

CONTINENTAL MARITIME (Continued) **S104746413**

WDID:	9 000000400
Reg Measure Id:	352044
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2008-0049
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	03/18/2015
Effective Date:	08/13/2008
Expiration/Review Date:	08/13/2013
Termination Date:	05/31/2015
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):	402791
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	Not reported
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/10/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	SEL for Continental Maritime of San Diego, Inc.
Description:	Not reported
Program:	NPDINDSML
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

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial

CONTINENTAL MARITIME (Continued) **S104746413**

Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.14499
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
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:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	352044
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2008-0049
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	03/18/2015
Effective Date:	08/13/2008
Expiration/Review Date:	08/13/2013
Termination Date:	05/31/2015
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

CONTINENTAL MARITIME (Continued) **S104746413**

Enforcement Id(EID):	396291
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	05/12/2014
Adoption/Issuance Date:	05/12/2014
Achieve Date:	Not reported
Termination Date:	05/12/2014
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	05/21/2014 SEL for Continental Maritime of San Diego, Inc.
Description:	Covering July 2012 March 2014 quarterly monitoring reports, July 2012 December 2013 semi annual reports, and 2012 2013 annual reports.
Program:	NPDINDSML
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

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.14499
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	0.42999999
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported

CONTINENTAL MARITIME (Continued) **S104746413**

Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
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):	250052
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/22/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/22/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000400
Description:	Not reported
Program:	NPDINDSML
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

Region:	9

CONTINENTAL MARITIME (Continued) **S104746413**

Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.14499
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	0.42999999
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
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:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
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

CONTINENTAL MARITIME (Continued) **S104746413**

WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	249883
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/16/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/16/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000400
Description:	On July 3, 2003, the Pier 4, saltwater fire protection system water failed to comly with the 70% survival 10% of the time specification.
Program:	NPDINDSML
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

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.14499
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	0.42999999
Threat To Water Quality:	2

CONTINENTAL MARITIME (Continued) **S104746413**

Complexity:	B
Pretreatment:	X - Facility is not a POTW
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:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
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):	243112
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/24/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	2001-09-14
Termination Date:	07/24/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL Paint Spill to San Diego Bay - Continental Maritime Shipyard
Description:	One-quart can of paint spilled to the Bay.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0

CONTINENTAL MARITIME (Continued) **S104746413**

Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.14499
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	0.42999999
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
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:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002

CONTINENTAL MARITIME (Continued) **S104746413**

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):	237835
Region:	9
Order / Resolution Number:	R9-2001-0114
Enforcement Action Type:	Admin Civil Liability
Effective Date:	07/18/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	2001-07-06
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000400
Description:	2001-114 (order for board to accept payment of ACL)
Program:	NPDINDSML
Latest Milestone Completion Date:	2003-06-19
# Of Programs1:	1
Total Assessment Amount:	41120
Initial Assessed Amount:	0
Liability $ Amount:	41120
Project $ Amount:	0
Liability $ Paid:	41120
Project $ Completed:	0
Total $ Paid/Completed Amount:	41120

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.14499
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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

CONTINENTAL MARITIME (Continued) **S104746413**

Source Of Facility:	Reg Meas
Design Flow:	0.42999999
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
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:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
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):	237834
Region:	9
Order / Resolution Number:	R9-2001-0113
Enforcement Action Type:	Admin Civil Liability
Effective Date:	06/15/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000400
Description:	complaint 2001-113 issued for 8 atox violations triggered ACL for $41120
Program:	NPDINDSML
Latest Milestone Completion Date:	2003-07-23
# Of Programs1:	1

CONTINENTAL MARITIME (Continued) **S104746413**

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
Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.14499
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	0.42999999
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
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:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical

CONTINENTAL MARITIME (Continued) **S104746413**

Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
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):	234704
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/31/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2001-09-14
Termination Date:	10/31/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000400
Description:	This is the enforcement SEL for the stormwater toxicity for 1999-2000 wet season.<CR>There were 7 samples taken on 2/12/2000 and 1 sample takne on 4/17/2000.
Program:	NPDINDSML
Latest Milestone Completion Date:	2001-09-14
# 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

Region:	9
Facility Id:	215572
Agency Name:	Continental Maritime of San Diego, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.694602
Place Longitude:	-117.14499
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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

CONTINENTAL MARITIME (Continued) **S104746413**

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:	0.42999999
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
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:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000400
Reg Measure Id:	213845
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	97-037
Npdes# CA#:	CA0109142
Major-Minor:	Minor
Npdes Type:	FED
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	1300
Status:	Historical
Status Date:	01/03/2014
Effective Date:	05/04/1987
Expiration/Review Date:	11/12/2002
Termination Date:	11/12/2002
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):	233218
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	06/30/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	1999-06-30
Termination Date:	06/30/1999
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical

CONTINENTAL MARITIME (Continued) **S104746413**

Title:	Enforcement - 9 000000400
Description:	link to violaiton record # 630
Program:	NPDINDSML
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
Region:	9
Facility Id:	215572
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.694602
Place Longitude:	-117.14499
SIC Code 1:	3731
SIC Desc 1:	Ship Building and Repairing
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:	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:	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

CONTINENTAL MARITIME (Continued) **S104746413**

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):	385614
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	Not reported
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:	06/25/2012 SEL for Continental Maritime IND, INC
Description:	a full service ship repair facility.
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

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2467

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2996

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA

CONTINENTAL MARITIME (Continued) **S104746413**

Reg Id: 9UT138

CIWQS:

Agency:	Continental Maritime
Agency Address:	1995 Bay Front St, San Diego, CA 92113
Place/Project Type:	Industrial - Ship Building and Repairing
SIC/NAICS:	3731
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I005364
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/07/1992
Termination Date:	07/27/2000
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:	32.69446
Longitude:	-117.14474

Agency:	Continental Maritime of San Diego, Inc.
Agency Address:	1995 Bayfront Street, San Diego, CA 92113
Place/Project Type:	Boatyard/Shipyard
SIC/NAICS:	3731
Region:	9
Program:	NPDINDSML
Regulatory Measure Status:	Active
Regulatory Measure Type:	NPDES Permit
Order Number:	R9-2015-0009
WDID:	9 000000400
NPDES Number:	CA0109142
Adoption Date:	03/16/2015
Effective Date:	06/01/2015
Termination Date:	Not reported
Expiration/Review Date:	05/31/2020
Design Flow:	0
Major/Minor:	Major, Minor
Complexity:	A
TTWQ:	1
Enforcement Actions within 5 years:	1
Violations within 5 years:	4
Latitude:	32.694602
Longitude:	-117.14499

D155 CONTINENTAL MARITIME SAN DIEGO INC. — **RCRA-SQG 1000163719**
NNW 1995 BAYFRONT STREET — **CA HIST UST CAD020511010**
< 1/8 SAN DIEGO, CA 92113 — **FINDS**
0.033 mi. — **ECHO**
173 ft. **Site 17 of 17 in cluster D**

Relative: Higher

Actual: 23 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	BUMBLE BEE SEAFOODS
Facility address:	1995 BAYFRONT SAN DIEGO, CA 92113
EPA ID:	CAD020511010
Mailing address:	PO BOX X-1017 SAN DIEGO, CA 92112
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	BUMBLE BEE SEAFOODS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000163719**

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 06/16/1983
Site name: BUMBLE BEE SEAFOODS
Classification: Large Quantity Generator

Violation Status: No violations found

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000011727
Facility Type: Other
Other Type: FOOD PROCESSING
Contact Name: GENE PENN
Telephone: 6192350160
Owner Name: BUMBLE BEE SEAFOODS
Owner Address: 1995 BAYFRONT
Owner City,St,Zip: SAN DIEGO, CA 92113
Total Tanks: 0004

Tank Num: 001
Container Num: CD-1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: CG-1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: FD-1
Year Installed: 1979
Tank Capacity: 00000000

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000163719**

Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 004
Container Num: FD-2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

FINDS:

Registry ID: 110065051749

Environmental Interest/Information System
STATE MASTER

Registry ID: 110000781501

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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.

HAZARDOUS WASTE BIENNIAL REPORTER

Registry ID: 110009529484

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

CONTINENTAL MARITIME SAN DIEGO INC. (Continued) **1000163719**

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:	1000163719
Registry ID:	110000781501
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000781501
Envid:	1000163719
Registry ID:	110009529484
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009529484

B156 **CHEVRON PIPELINE RUPTURE** **CA CPS-SLIC** **S106487245**
ESE **BELT STREET** **N/A**
< 1/8 **SAN DIEGO, CA 92123**
0.045 mi.
235 ft. **Site 5 of 5 in cluster B**

Relative:
Higher

Actual:
24 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/21/2003
Global Id:	SL0607379122
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.69264
Longitude:	-117.14203
Case Type:	Cleanup Program Site
Case Worker:	SM
Local Agency:	Not reported
RB Case Number:	SLT90053
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	During drilling of a soil boring for the City of San Diego, AMEC Earth and Environmental ruptured an 8-inch underground pipeline that contained unleaded gasoline. The rupture resulted in the immediate discharge of approximately 3,000 gallons of gasoline to the ground and to soil and groundwater.

Click here to access the California GeoTracker records for this facility:

E157
NE
< 1/8
0.049 mi.
258 ft.

BAE SYSTEMS SAN DIEGO SHIP REPAIR MSD
1401 SAMPSON ST
SAN DIEGO, CA 92113

Site 1 of 7 in cluster E

CA AST **S113177869**
CA HAZNET **N/A**

Relative:
Higher

Actual:
27 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	BAE Systems San Diego Ship Repair
Total Gallons:	Not reported
CERSID:	10153359
Facility ID:	37-000-123049
Business Name:	BAE SYSTEMS SAN DIEGO SHIP REPAIR
Phone:	619-238-1000
Fax:	(619) 516-8369
Mailing Address:	P O BOX 13308
Mailing Address City:	SAN DIEGO
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	BAE SYSTEMS
Operator Phone:	619-238-1000
Owner Phone:	619-238-1000
Owner Mail Address:	P O BOX 13308
Owner State:	CA
Owner Zip Code:	92170
Owner Country:	United States
Property Owner Name:	San Diego Unified Port District
Property Owner Phone:	(619) 686-6200
Property Owner Mailing Address:	3165 Pacific Highway
Property Owner City:	SAN DIEGO
Property Owner Stat :	CA
Property Owner Zip Code:	92101
Property Owner Country:	United States
EPAID:	CAR000165183

HAZNET:

envid:	S113177869
Year:	2017
GEPAID:	CAR000165183
Contact:	CARA BANDERA
Telephone:	6195574209
Mailing Name:	Not reported
Mailing Address:	PO BOX 13308
Mailing City,St,Zip:	SAN DIEGO, CA 921703308
Gen County:	San Diego
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.04
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County:	San Diego

envid:	S113177869
Year:	2017
GEPAID:	CAR000165183
Contact:	CARA BANDERA
Telephone:	6195574209

BAE SYSTEMS SAN DIEGO SHIP REPAIR MSD (Continued) **S113177869**

Mailing Name: Not reported
Mailing Address: PO BOX 13308
Mailing City,St,Zip: SAN DIEGO, CA 921703308
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.2625
Cat Decode: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Method Decode: Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County: San Diego

envid: S113177869
Year: 2017
GEPAID: CAR000165183
Contact: CARA BANDERA
Telephone: 6195574209
Mailing Name: Not reported
Mailing Address: PO BOX 13308
Mailing City,St,Zip: SAN DIEGO, CA 921703308
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.2
Cat Decode: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Method Decode: Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County: San Diego

envid: S113177869
Year: 2017
GEPAID: CAR000165183
Contact: CARA BANDERA
Telephone: 6195574209
Mailing Name: Not reported
Mailing Address: PO BOX 13308
Mailing City,St,Zip: SAN DIEGO, CA 921703308
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.2
Cat Decode: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Method Decode: Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County: San Diego

envid: S113177869
Year: 2017
GEPAID: CAR000165183
Contact: CARA BANDERA
Telephone: 6195574209
Mailing Name: Not reported

BAE SYSTEMS SAN DIEGO SHIP REPAIR MSD (Continued) **S113177869**

Mailing Address:	PO BOX 13308
Mailing City,St,Zip:	SAN DIEGO, CA 921703308
Gen County:	San Diego
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.7225
Cat Decode:	Unspecified organic liquid mixture
Method Decode:	Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
385 additional CA_HAZNET: record(s) in the EDR Site Report.

E158
NE
< 1/8
0.049 mi.
258 ft.

BAE SYSTEMS (MSD)
1401 SAMPSON ST
SAN DIEGO, CA 92113

CA San Diego Co. HMMD **S104750101**
CA SWEEPS UST **N/A**

Site 2 of 7 in cluster E

Relative:
Higher

Actual:
27 ft.

HMMD SAN DIEGO:

Permit Number:	123049
Business Type:	6HK71
EPA Id Number:	CAR000165183
APN:	538-770-08-00
Last HMMD Inspection:	07/09/2012
Facility Telephone:	619-238-1000
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BAE SYSTEMS
Facility Mailing Address:	P O BOX 13308
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92170-3308
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	2190 TEP LUBE OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	123049
Update Date:	11/02/2012
Case Number:	111-76-2
Name:	2-BUTOXYETHANOL

BAE SYSTEMS (MSD) (Continued) **S104750101**

Other Information: SIMPLE GREEN
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 76-14-2
Name: DICHLOROTETRAFLUORETHANE
Other Information: REFRIGERANT
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 64873-34-6
Name: DIESEL FUEL #2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 5989-27-5
Name: D-LIMONENE
Other Information: BIO T MAX
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: GREASE, VARIOUS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: LIQUID ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE

BAE SYSTEMS (MSD) (Continued) **S104750101**

Hazardous Categories 2: ACUTE

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: MIL-P-2441/20 F-150
Other Information: EPOXY COATING
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN (LIQUID AND GAS)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: NM-50 CHEMICAL CLEANER AND DEGREASER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 8002-09-5
Name: OILS; LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN- LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049

BAE SYSTEMS (MSD) (Continued) **S104750101**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	PAINT, EPOXY
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	ERM SANDBLAST MEDIA/KLEEN INDUSTIRAL SERVICES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT/ RAGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)

BAE SYSTEMS (MSD) (Continued) **S104750101**

Other Information: AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: HYDRO CHLORIC ACID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: SODIUM HYDROXIDE CLEANING TANK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 123049
Update Date: 11/02/2012
Inspection Date: 08/08/2005
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 123049
Update Date: 11/02/2012
Inspection Date: 08/08/2005
Violation Code: 6HV0303
Violation: WASTE TRANSPORT W/O MANIFEST
Violation Citation: Hazardous waste generator has transported a hazardous waste off-site without preparing a manifest prior to transport. 66262.20(a), 25160.2(b)9
Activity: ACTIVE

Permit Number: 123049
Update Date: 11/02/2012
Inspection Date: 07/09/2012
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED

BAE SYSTEMS (MSD) (Continued) **S104750101**

Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV3324
Violation:	UNUSED TANK NOT PROPERLY CLOSED
Violation Citation:	Unused tank not properly closed. Permanent closure requirements not met. 25298, 2672
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	08/15/2008
Violation Code:	6HV0222
Violation:	DID NOT PROPERLY LABEL ERM
Violation Citation:	Failed to properly label ERM. 25143.9(a)
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)

BAE SYSTEMS (MSD) (Continued) **S104750101**

Activity: ACTIVE

UST:

UST Name:	UNDERGROUND TANK T001
Last Update:	2012-11-02 14:17:38
Permit Number:	123049
Tank Type:	SINGLE WALL
Additional Id:	AT5553
Capacity Gallons:	675
UST Contents:	Not reported
Other Content Info:	TANK CONNECTED TO CLARIFIER
Reg Status:	REMOVED
Remove Close Date:	2012-09-05 00:00:00
Year Installed:	1988-09-12 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

Permit Number:	123049
Business Type:	6HK71
EPA Id Number:	CAR000165183
APN:	538-770-08-00
Last HMMD Inspection:	07/09/2012
Facility Telephone:	619-238-1000
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BAE SYSTEMS
Facility Mailing Address:	P O BOX 13308
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92170-3308
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	2190 TEP LUBE OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	123049
Update Date:	11/02/2012
Case Number:	111-76-2
Name:	2-BUTOXYETHANOL

BAE SYSTEMS (MSD) (Continued) **S104750101**

Other Information: SIMPLE GREEN
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 76-14-2
Name: DICHLOROTETRAFLUORETHANE
Other Information: REFRIGERANT
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 64873-34-6
Name: DIESEL FUEL #2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 5989-27-5
Name: D-LIMONENE
Other Information: BIO T MAX
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: GREASE, VARIOUS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: LIQUID ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE

BAE SYSTEMS (MSD) (Continued) **S104750101**

Hazardous Categories 2: ACUTE

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: MIL-P-2441/20 F-150
Other Information: EPOXY COATING
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN (LIQUID AND GAS)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: NM-50 CHEMICAL CLEANER AND DEGREASER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 8002-09-5
Name: OILS; LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN- LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049

BAE SYSTEMS (MSD) (Continued) **S104750101**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	PAINT, EPOXY
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	ERM SANDBLAST MEDIA/KLEEN INDUSTIRAL SERVICES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT/ RAGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)

BAE SYSTEMS (MSD) (Continued) **S104750101**

Other Information: AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: HYDRO CHLORIC ACID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: SODIUM HYDROXIDE CLEANING TANK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 123049
Update Date: 11/02/2012
Inspection Date: 08/08/2005
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 123049
Update Date: 11/02/2012
Inspection Date: 08/08/2005
Violation Code: 6HV0303
Violation: WASTE TRANSPORT W/O MANIFEST
Violation Citation: Hazardous waste generator has transported a hazardous waste off-site without preparing a manifest prior to transport. 66262.20(a), 25160.2(b)9
Activity: ACTIVE

Permit Number: 123049
Update Date: 11/02/2012
Inspection Date: 07/09/2012
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED

BAE SYSTEMS (MSD) (Continued) **S104750101**

Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV3324
Violation:	UNUSED TANK NOT PROPERLY CLOSED
Violation Citation:	Unused tank not properly closed. Permanent closure requirements not met. 25298, 2672
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	08/15/2008
Violation Code:	6HV0222
Violation:	DID NOT PROPERLY LABEL ERM
Violation Citation:	Failed to properly label ERM. 25143.9(a)
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)

BAE SYSTEMS (MSD) (Continued) **S104750101**

Activity: ACTIVE

UST:

UST Name:	UNDERGROUND TANK T001
Last Update:	2012-11-02 14:17:38
Permit Number:	123049
Tank Type:	SINGLE WALL
Additional Id:	AT5553
Capacity Gallons:	675
UST Contents:	Not reported
Other Content Info:	TANK CONNECTED TO CLARIFIER
Reg Status:	REMOVED
Remove Close Date:	2012-09-05 00:00:00
Year Installed:	1988-09-12 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

Permit Number:	123049
Business Type:	6HK71
EPA Id Number:	CAR000165183
APN:	538-770-08-00
Last HMMD Inspection:	07/09/2012
Facility Telephone:	619-238-1000
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BAE SYSTEMS
Facility Mailing Address:	P O BOX 13308
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92170-3308
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	2190 TEP LUBE OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	123049
Update Date:	11/02/2012
Case Number:	111-76-2
Name:	2-BUTOXYETHANOL

BAE SYSTEMS (MSD) (Continued) **S104750101**

Other Information: SIMPLE GREEN
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 76-14-2
Name: DICHLOROTETRAFLUORETHANE
Other Information: REFRIGERANT
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 64873-34-6
Name: DIESEL FUEL #2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 5989-27-5
Name: D-LIMONENE
Other Information: BIO T MAX
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: GREASE, VARIOUS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: LIQUID ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE

BAE SYSTEMS (MSD) (Continued) **S104750101**

Hazardous Categories 2: ACUTE

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: MIL-P-2441/20 F-150
Other Information: EPOXY COATING
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN (LIQUID AND GAS)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: NM-50 CHEMICAL CLEANER AND DEGREASER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 8002-09-5
Name: OILS; LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN- LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 123049

BAE SYSTEMS (MSD) (Continued) **S104750101**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	PAINT, EPOXY
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	ERM SANDBLAST MEDIA/KLEEN INDUSTIRAL SERVICES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT/ RAGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE/ COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	123049
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)

BAE SYSTEMS (MSD) (Continued) **S104750101**

Other Information: AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: HYDRO CHLORIC ACID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 123049
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: SODIUM HYDROXIDE CLEANING TANK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 123049
Update Date: 11/02/2012
Inspection Date: 08/08/2005
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 123049
Update Date: 11/02/2012
Inspection Date: 08/08/2005
Violation Code: 6HV0303
Violation: WASTE TRANSPORT W/O MANIFEST
Violation Citation: Hazardous waste generator has transported a hazardous waste off-site without preparing a manifest prior to transport. 66262.20(a), 25160.2(b)9
Activity: ACTIVE

Permit Number: 123049
Update Date: 11/02/2012
Inspection Date: 07/09/2012
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED

BAE SYSTEMS (MSD) (Continued) **S104750101**

Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV3324
Violation:	UNUSED TANK NOT PROPERLY CLOSED
Violation Citation:	Unused tank not properly closed. Permanent closure requirements not met. 25298, 2672
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	07/09/2012
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	08/15/2008
Violation Code:	6HV0222
Violation:	DID NOT PROPERLY LABEL ERM
Violation Citation:	Failed to properly label ERM. 25143.9(a)
Activity:	ACTIVE
Permit Number:	123049
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)

BAE SYSTEMS (MSD) (Continued) **S104750101**

Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK T001
Last Update: 2012-11-02 14:17:38
Permit Number: 123049
Tank Type: SINGLE WALL
Additional Id: AT5553
Capacity Gallons: 675
UST Contents: Not reported
Other Content Info: TANK CONNECTED TO CLARIFIER
Reg Status: REMOVED
Remove Close Date: 2012-09-05 00:00:00
Year Installed: 1988-09-12 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

SWEEPS UST:
Status: Active
Comp Number: 23049
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-023049-000001
Tank Status: A
Capacity: 675
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: 1

E159 **BAE SYSTEMS MSD** **CA AST** **1008905269**
NE **1401 SAMPSON ST** **FINDS** **N/A**
< 1/8 **SAN DIEGO, CA 92113** **ECHO**
0.049 mi.
258 ft. **Site 3 of 7 in cluster E**

Relative:
Higher

Actual:
27 ft.

AST:
Certified Unified Program Agencies: San Diego
Owner: BAE SYSTEMS
Total Gallons: 1555
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

BAE SYSTEMS MSD (Continued) **1008905269**

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

FINDS:

Registry ID: 110022819477

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.

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1008905269
Registry ID:	110022819477
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110022819477

E160 **BAE SYSTEMS MSD** **RCRA-LQG** **1008402424**
NE **1401 SAMPSON ST.** **CA San Diego Co. HMMD** **CAR000165183**
< 1/8 **SAN DIEGO, CA 92113** **CA NPDES**
0.049 mi. **CA CIWQS**
258 ft. **Site 4 of 7 in cluster E**

Relative: **Higher**
Actual: **27 ft.**

RCRA-LQG:

Date form received by agency:	02/24/2016
Facility name:	BAE SYSTEMS MSD
Facility address:	1401 SAMPSON ST. SAN DIEGO, CA 92113
EPA ID:	CAR000165183
Mailing address:	PO BOX 13308 SAN DIEGO, CA 92170
Contact:	SANDOR HALVAX
Contact address:	PO BOX 13308 SAN DIEGO, CA 92170

BAE SYSTEMS MSD (Continued) **1008402424**

Contact country: US
Contact telephone: 619-557-4210
Contact email: SANDOR.HALVAX@BAESYSTEMS.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Owner/operator address: SAMPSON ST.
SAN DIEGO, CA 92113
Owner/operator country: US
Owner/operator telephone: 619-557-4210
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/17/1979
Owner/Op end date: Not reported

Owner/operator name: BAE SYSTEMS SAN DIEGO SHIP REPAIR INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/17/1979
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

BAE SYSTEMS MSD (Continued) **1008402424**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

BAE SYSTEMS MSD (Continued) **1008402424**

Historical Generators:
Date form received by agency: 03/01/2014
Site name: BAE SYSTEMS MSD
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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 name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 03/01/2010

BAE SYSTEMS MSD (Continued) **1008402424**

Site name: BAE SYSTEMS SAN DIEGO SHIP REPAIR MSD
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 08/29/2005
Site name: BAE SYSTEMS SAN DIEGO SHIP REPAIR MSD
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

BAE SYSTEMS MSD (Continued) **1008402424**

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, 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 name: 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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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

BAE SYSTEMS MSD (Continued) **1008402424**

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 2191

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 8600

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 2191

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.
Amount (Lbs): 1156

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

BAE SYSTEMS MSD (Continued) **1008402424**

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 1156

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/15/2008
Date achieved compliance: 08/15/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/15/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/15/2008
Date achieved compliance: 06/22/2009
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/15/2008
Date achieved compliance: 08/15/2008
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 09/03/2009
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

BAE SYSTEMS MSD (Continued) **1008402424**

Evaluation date: 08/15/2008
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: 06/22/2009
Evaluation lead agency: State

Evaluation date: 08/15/2008
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: 08/15/2008
Evaluation lead agency: State

Evaluation date: 08/15/2008
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

HMMD SAN DIEGO:
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAR000165183
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-238-1000
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 05/08/2018
Facility Owner: Not reported
Facility Mailing Address: P O BOX 13308, SAN DIEGO, CA 92170-3308
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-123049
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 4655427
Return To Compliance Date: 2015-11-10T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-05-08T00:00:00.000
Inspection Date: 2015-09-24T14:23:00.000
Violation Code: 1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)

BAE SYSTEMS MSD (Continued) **1008402424**

Record ID:	DEH2002-HUPFP-123049
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-123049
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4655427
Return To Compliance Date:	2015-11-10T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-05-08T00:00:00.000
Inspection Date:	2015-09-24T14:23:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

UST DTL:

Record ID:	DEH2002-HUPFP-123049
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-123049
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	BAE SYSTEMS San Diego Ship Repair, Inc
Tankid:	98415
Tank Status:	Removed
Date Ust Permanently Closed:	09/05/2012
Tank Use:	Not reported
Piping System Type:	Not reported
Last Updated:	2018-05-08T02:31:58.000
Tank Capacityin Gallons:	675
Tank Contents:	Not reported
Type Of Tank:	01

Waste and Materials:

Record ID:	DEH2002-HUPFP-123049
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0141443
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-05-31T01:10:29.000
Chemical Name:	Not reported
Common Name:	2190 TEP LUBE OIL (C15-C50)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-123049
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0141444
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-05-31T01:10:29.000
Chemical Name:	HYDROGEN CHLORIDE, AQUEOUS 10%
Common Name:	RYDLYME
Case Number:	7647-01-0

BAE SYSTEMS MSD (Continued) **1008402424**

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141445
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141446
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: Not reported
Common Name: GREASE, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141447
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: NITROGEN
Common Name: COMPRESSED NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141448
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: LIQUID NITROGEN
Common Name: LIQUID NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141449
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed

BAE SYSTEMS MSD (Continued) **1008402424**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141450
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141451
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: PROPANE
Common Name: PROPANE (LPG)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141452
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: 2-BUTOXYETHANOL 6%
Common Name: SIMPLE GREEN
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141453
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: D-LIMONENE
Common Name: BIO T MAX
Case Number: 5989-27-5

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141454
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: SOLVENT NAPHTHA (PETROLEUM)
Common Name: SHELLSOL D60
Case Number: 64742-88-7

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141455

BAE SYSTEMS MSD (Continued) **1008402424**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0141456
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-31T01:10:29.000
Chemical Name: Not reported
Common Name: GARNET ABRASIVE - ERM
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119978
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-05-31T01:10:33.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119979
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-05-31T01:10:33.000
Chemical Name: WASTE 791 LIQUIDS WITH Ph <2
Common Name: RYDLYME RINSE
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119980
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-05-31T01:10:33.000
Chemical Name: WASTE D-limolene
Common Name: WASTE BIO T MAX
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119981
Trade Secret: N
Hazardous Material Type: Not reported

BAE SYSTEMS MSD (Continued) **1008402424**

Last Updated: 2017-05-31T01:10:33.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT RAGS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119982
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-05-31T01:10:33.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093421
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: Not reported
Common Name: 2190 TEP LUBE OIL (C15-C50)
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093422
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: HYDROGEN CHLORIDE, AQUEOUS 10%
Common Name: RYDLYME
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093423
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093424
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: Not reported

BAE SYSTEMS MSD (Continued) **1008402424**

Common Name: GREASE, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093425
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: NITROGEN
Common Name: COMPRESSED NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093426
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: LIQUID NITROGEN
Common Name: LIQUID NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093427
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: Not reported
Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093428
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093429
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: PROPANE
Common Name: PROPANE (LPG)
Case Number: 74-98-6

BAE SYSTEMS MSD (Continued) **1008402424**

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093430
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: 2-BUTOXYETHANOL 6%
Common Name: SIMPLE GREEN
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093431
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: D-LIMONENE
Common Name: BIO T MAX
Case Number: 5989-27-5

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093432
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: SOLVENT NAPHTHA (PETROLEUM)
Common Name: SHELLSOL D60
Case Number: 64742-88-7

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093433
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0093434
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-28T01:41:10.000
Chemical Name: Not reported
Common Name: GARNET ABRASIVE - ERM
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed

BAE SYSTEMS MSD (Continued) **1008402424**

Active Permit: Y
Child Record Id: DEH2016-HWAST-0075778
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-12-28T01:41:12.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0075779
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-12-28T01:41:12.000
Chemical Name: WASTE 791 LIQUIDS WITH Ph <2
Common Name: RYDLYME RINSE
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0075780
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-12-28T01:41:12.000
Chemical Name: WASTE D-limolene
Common Name: WASTE BIO T MAX
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0075781
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-12-28T01:41:12.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT RAGS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0075782
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-12-28T01:41:12.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0075783

BAE SYSTEMS MSD (Continued) **1008402424**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-12-28T01:41:12.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119983
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-05-31T01:10:33.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119984
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-05-31T01:10:33.000
Chemical Name: Not reported
Common Name: WASTE WATER WITH METALS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0119985
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-05-31T01:10:33.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176657
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: 2190 TEP LUBE OIL (C15-C50)
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176658
Trade Secret: N
Hazardous Material Type: Pure

BAE SYSTEMS MSD (Continued) **1008402424**

Last Updated: 2018-05-08T02:31:58.000
Chemical Name: HYDROGEN CHLORIDE, AQUEOUS 10%
Common Name: RYDLYME
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176659
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176660
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: GREASE, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176661
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: NITROGEN
Common Name: COMPRESSED NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176662
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: LIQUID NITROGEN
Common Name: LIQUID NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176663
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported

BAE SYSTEMS MSD (Continued) **1008402424**

Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176664
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176665
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: PROPANE
Common Name: PROPANE (LPG)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176666
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: 2-BUTOXYETHANOL 6%
Common Name: SIMPLE GREEN
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176667
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: D-LIMONENE
Common Name: BIO T MAX
Case Number: 5989-27-5

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176668
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: SOLVENT NAPHTHA (PETROLEUM)
Common Name: SHELLSOL D60
Case Number: 64742-88-7

BAE SYSTEMS MSD (Continued) **1008402424**

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176669
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176670
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: GARNET ABRASIVE - ERM
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0176671
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE PAINT
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151377
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151378
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: WASTE 791 LIQUIDS WITH Ph <2
Common Name: RYDLYME RINSE
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed

BAE SYSTEMS MSD (Continued) **1008402424**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0151379
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: WASTE D-limolene
Common Name: WASTE BIO T MAX
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151383
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE WATER WITH METALS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151384
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151385
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE ECOLINK
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151386
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE JP-5
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151387

BAE SYSTEMS MSD (Continued) **1008402424**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151388
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE OILY WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151389
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE SIMPLE GREEN RINSE WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151380
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT RAGS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159486
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: Not reported
Common Name: 2190 TEP LUBE OIL (C15-C50)
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159487
Trade Secret: N
Hazardous Material Type: Pure

BAE SYSTEMS MSD (Continued) **1008402424**

Last Updated: 2017-10-24T12:11:59.000
Chemical Name: HYDROGEN CHLORIDE, AQUEOUS 10%
Common Name: RYDLYME
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159488
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159489
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: Not reported
Common Name: GREASE, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159490
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: NITROGEN
Common Name: COMPRESSED NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159491
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: LIQUID NITROGEN
Common Name: LIQUID NITROGEN
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159492
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: Not reported

BAE SYSTEMS MSD (Continued) **1008402424**

Common Name: OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159493
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: OXYGEN
Common Name: COMPRESSED OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159494
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: PROPANE
Common Name: PROPANE (LPG)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159495
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: 2-BUTOXYETHANOL 6%
Common Name: SIMPLE GREEN
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159496
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: D-LIMONENE
Common Name: BIO T MAX
Case Number: 5989-27-5

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159497
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: SOLVENT NAPHTHA (PETROLEUM)
Common Name: SHELLSOL D60
Case Number: 64742-88-7

BAE SYSTEMS MSD (Continued) **1008402424**

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159498
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: DIESEL FUEL #2
Common Name: DIESEL FUEL #2
Case Number: 64873-34-6

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0159499
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: Not reported
Common Name: GARNET ABRASIVE - ERM
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0135356
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL, VARIOUS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0135357
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: WASTE 791 LIQUIDS WITH Ph <2
Common Name: RYDLYME RINSE
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0135358
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: WASTE D-limolene
Common Name: WASTE BIO T MAX
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed

BAE SYSTEMS MSD (Continued) **1008402424**

Active Permit: Y
Child Record Id: DEH2017-HWAST-0135359
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT RAGS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0135360
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0135361
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0135362
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: Not reported
Common Name: WASTE WATER WITH METALS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0135363
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-24T12:11:59.000
Chemical Name: Not reported
Common Name: WASTE SOLVENT SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151381

BAE SYSTEMS MSD (Continued) **1008402424**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE OILY DEBRIS
Case Number: Not reported

Record ID: DEH2002-HUPFP-123049
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151382
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-08T02:31:58.000
Chemical Name: Not reported
Common Name: WASTE PAINT DEBRIS
Case Number: Not reported

NPDES:
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: 9 37I015255
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: 07/12/1999
Operator Name: BAE Systems Ship Repair
Operator Address: PO Box 13308
Operator City: San Diego
Operator State: California
Operator Zip: 92170

NPDES as of 03/2018:
NPDES Number: CAS000001
Status: Active
Agency Number: 0
Region: 9
Regulatory Measure ID: 218706
Order Number: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place ID: Not reported
WDID: 9 37I015255

BAE SYSTEMS MSD (Continued) **1008402424**

Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/12/1999
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	BAE Systems Ship Repair
Discharge Address:	PO Box 13308
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92170
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 Commertial 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

BAE SYSTEMS MSD (Continued) **1008402424**

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
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	218706
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37I015255
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:	07/12/1999
Status:	Active
Status Date:	07/12/1999
Place Size:	12
Place Size Unit:	SqFt
Contact:	Cara Bandera
Contact Title:	Mgr Env I
Contact Phone:	619-557-4209
Contact Phone Ext:	Not reported
Contact Email:	cara.bandera@baesystems.com
Operator Name:	BAE Systems Ship Repair
Operator Address:	PO Box 13308
Operator City:	San Diego
Operator State:	California
Operator Zip:	92170
Operator Contact:	Cara Bandera
Operator Contact Title:	Environmental Manager
Operator Contact Phone:	619-557-4209
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Cara.Bandera@baesystems.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

BAE SYSTEMS MSD (Continued) **1008402424**

Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	619-571-8632
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 Commertial 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 Diego Bay
Certifier:	Sandor Halvax
Certifier Title:	Environmental Manager III
Certification Date:	13-FEB-15
Primary Sic:	3731-Ship Building and Repairing
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Facility Status:	Active
NPDES Number:	CAS000001
Region:	9
Agency Number:	0
Regulatory Measure ID:	218706
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37I015255
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/12/1999
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 13308
Discharge Name:	BAE Systems Ship Repair
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92170
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

BAE SYSTEMS MSD (Continued) **1008402424**

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	218706
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37I015255
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/12/1999
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	BAE Systems Ship Repair
Discharge Address:	PO Box 13308
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92170
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 Commertial Ind:	Not reported

BAE SYSTEMS MSD (Continued) **1008402424**

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
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	218706
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37I015255
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:	07/12/1999
Status:	Active
Status Date:	07/12/1999
Place Size:	12
Place Size Unit:	SqFt
Contact:	Cara Bandera
Contact Title:	Mgr Env I
Contact Phone:	619-557-4209
Contact Phone Ext:	Not reported
Contact Email:	cara.bandera@baesystems.com
Operator Name:	BAE Systems Ship Repair
Operator Address:	PO Box 13308
Operator City:	San Diego
Operator State:	California
Operator Zip:	92170
Operator Contact:	Cara Bandera
Operator Contact Title:	Environmental Manager

BAE SYSTEMS MSD (Continued) **1008402424**

Operator Contact Phone:	619-557-4209
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Cara.Bandera@baesystems.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:	619-571-8632
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 Commertial 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 Diego Bay
Certifier:	Sandor Halvax
Certifier Title:	Environmental Manager III
Certification Date:	13-FEB-15
Primary Sic:	3731-Ship Building and Repairing
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	BAE Systems Ship Repair
Agency Address:	PO Box 13308, San Diego, CA 92170
Place/Project Type:	Industrial - Ship Building and Repairing
SIC/NAICS:	3731
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I015255
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	07/12/1999
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported

BAE SYSTEMS MSD (Continued) **1008402424**

Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.69374
Longitude:	-117.14345

F161 **CALTRANS CORONADO BRIDGE MT ST** **RCRA-SQG** **1000419441**
NW **1120 DEWEY STREET** **FINDS** **CAD982519969**
< 1/8 **SAN DIEGO, CA 92113** **ECHO**
0.075 mi.
394 ft. **Site 1 of 2 in cluster F**

Relative:
Higher

Actual:
22 ft.

RCRA-SQG:

Date form received by agency:	04/26/1989
Facility name:	CALTRANS CORONADO BRIDGE MT ST
Facility address:	1120 DEWEY STREET SAN DIEGO, CA 92113
EPA ID:	CAD982519969
Mailing address:	DEWEY STREET SAN DIEGO, CA 92113
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1120 DEWEY STREET SAN DIEGO, CA 92113
Contact country:	US
Contact telephone:	619-237-7802
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CALTRANS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported

CALTRANS CORONADO BRIDGE MT ST (Continued) **1000419441**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/19/2003
Date achieved compliance: 02/19/2004
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/19/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/19/2004
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002840187

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

CALTRANS CORONADO BRIDGE MT ST (Continued) **1000419441**

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: 1000419441
Registry ID: 110002840187
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002840187

F162 **SOUTHWEST MARINE INC.** **CA LUST** **1000411002**
NW **FOOT OF SAMPSON ST** **CA San Diego Co. HMMD** **N/A**
< 1/8 **SAN DIEGO, CA 92170** **CA EMI**
0.081 mi. **CA HIST CORTESE**
427 ft. **Site 2 of 2 in cluster F** **CA Notify 65**

Relative: Higher
Actual: 22 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT3470
Local Case: H09689-002
Substance: Diesel
Qty Leaked: Not reported
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/30/1996
Date Stopped: 12/30/1996
Confirm Date: 05/19/1997
Submit Workplan: 5/27/97
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/30/1996
Enforce Date: Not reported
Closed Date: 7/13/98
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 8’
Beneficial Use: NBNB/E
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SOUTHWEST MARINE INC. (Continued) **1000411002**

HMMD SAN DIEGO:

Permit Number:	132800
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-132800
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	SAN DIEGO UNIFIED PORT DISTRIC
Facility Mailing Address:	PO BOX 488
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92112-0488
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

EMI:

Year:	1987
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	50
Reactive Organic Gases Tons/Yr:	38
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	5
Particulate Matter Tons/Yr:	8
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7

Year:	1990
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47
Reactive Organic Gases Tons/Yr:	41
Carbon Monoxide Emissions Tons/Yr:	8
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	1

SOUTHWEST MARINE INC. (Continued) **1000411002**

Part. Matter 10 Micrometers and Smllr Tons/Yr:1

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	61
Reactive Organic Gases Tons/Yr:	58
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	14
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	8
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	61
Reactive Organic Gases Tons/Yr:	58
Carbon Monoxide Emissions Tons/Yr:	3
NOX - Oxides of Nitrogen Tons/Yr:	14
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	8
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
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:	31
Carbon Monoxide Emissions Tons/Yr:	17
NOX - Oxides of Nitrogen Tons/Yr:	42
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	478

SOUTHWEST MARINE INC. (Continued) **1000411002**

Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	43
Reactive Organic Gases Tons/Yr:	42
Carbon Monoxide Emissions Tons/Yr:	8
NOX - Oxides of Nitrogen Tons/Yr:	35
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
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:	62
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	41
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	34
Reactive Organic Gases Tons/Yr:	33
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	26
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47

SOUTHWEST MARINE INC. (Continued) **1000411002**

Reactive Organic Gases Tons/Yr:	47
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	19
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47
Reactive Organic Gases Tons/Yr:	47
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	19
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	47.10779044
Reactive Organic Gases Tons/Yr:	46.70312968
Carbon Monoxide Emissions Tons/Yr:	4.89075181
NOX - Oxides of Nitrogen Tons/Yr:	18.7063867
SOX - Oxides of Sulphur Tons/Yr:	0.257661755
Particulate Matter Tons/Yr:	5.064479915
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.047541285

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	478
Air District Name:	SD
SIC Code:	3731
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	38.573483
Reactive Organic Gases Tons/Yr:	38.212401
Carbon Monoxide Emissions Tons/Yr:	5.03316
NOX - Oxides of Nitrogen Tons/Yr:	22.07
SOX - Oxides of Sulphur Tons/Yr:	.247892
Particulate Matter Tons/Yr:	10.77888751568088157
Part. Matter 10 Micrometers and Smllr Tons/Yr:	8.255461835

SOUTHWEST MARINE INC. (Continued) **1000411002**

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3470

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

E163 **SILVER GATE POWER PLANT** **CA HIST UST** **U001572995**
NE **1348 SAMPSON ST** **CA CIWQS** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.096 mi.
508 ft. **Site 5 of 7 in cluster E**

Relative: **Higher**
Actual: **32 ft.**

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000063684
Facility Type: Other
Other Type: UTILITY
Contact Name: ERTLE F. OXENDINE
Telephone: 6196962000
Owner Name: SAN DIEGO GAS & ELECTRIC
Owner Address: 101 ASH STREET
Owner City,St,Zip: SAN DIEGO, CA 92101
Total Tanks: 0005

Tank Num: 001
Container Num: 1501
Year Installed: 1941
Tank Capacity: 00224000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 12
Leak Detection: Groundwater Monitoring Well

Tank Num: 002
Container Num: 1502
Year Installed: 1941
Tank Capacity: 00224000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 12
Leak Detection: Groundwater Monitoring Well

Tank Num: 003
Container Num: 1503
Year Installed: 1941
Tank Capacity: 00224000

SILVER GATE POWER PLANT (Continued) **U001572995**

Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 12
Leak Detection: Groundwater Monitoring Well

Tank Num: 004
Container Num: 1504
Year Installed: 1947
Tank Capacity: 00114000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: None

Tank Num: 005
Container Num: 1505
Year Installed: 1945
Tank Capacity: 00038000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: None

CIWQS:
Agency: Sempra Energy Utilities Gas Co
Agency Address: 555 West 5th Street Gt16g2, Los Angeles, CA 90013-1010
Place/Project Type: Other
SIC/NAICS: Not reported
Region: 9
Program: LNDISP
Regulatory Measure Status: Historical
Regulatory Measure Type: Enrollee
Order Number: R9-2003-0262
WDID: 9 999552N05
NPDES Number: Not reported
Adoption Date: 04/04/2006
Effective Date: 04/04/2006
Termination Date: 12/04/2006
Expiration/Review Date: 12/04/2006
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: Not reported
Longitude: Not reported

Agency: San Diego Gas & Electric
Agency Address: 101 Ash St # HQ05D, San Diego, CA 92101
Place/Project Type: Industrial - Electric Services
SIC/NAICS: 4911
Region: 9
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ

SILVER GATE POWER PLANT (Continued) **U001572995**

WDID:	9 37I005565
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/07/1992
Termination Date:	09/12/1997
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:	32.69417
Longitude:	-117.14304

E164 **SAN DIEGO GAS AND ELECTRIC- SILVERGATE** **RCRA-LQG** **1000110791**
NE **1348 SAMPSON STREET** **FINDS** **CAT000618934**
< 1/8 **SAN DIEGO, CA 92113** **ECHO**
0.096 mi.
508 ft. **Site 6 of 7 in cluster E**

Relative:
Higher

Actual:
32 ft.

RCRA-LQG:

Date form received by agency:	02/21/2008
Facility name:	SAN DIEGO GAS AND ELECTRIC- SILVERGATE
Facility address:	1348 SAMPSON STREET SAN DIEGO, CA 92113
EPA ID:	CAT000618934
Mailing address:	6875 CONSOLIDATED WAY SD 1373 SAN DIEGO, CA 92121
Contact:	WILLIS G BRULL
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	858-547-3069
Contact email:	JBRULL@SEMPRAUTILITIES
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SAN DIEGO GAS AND ELECTRIC
Owner/operator address:	Not reported Not reported
Owner/operator country:	US

SAN DIEGO GAS AND ELECTRIC- SILVERGATE (Continued) **1000110791**

Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1943
Owner/Op end date: Not reported

Owner/operator name: SAN DIEGO GAS AND ELECTRIC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1943
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D004
. Waste name: ARSENIC

Historical Generators:
Date form received by agency: 03/22/2006
Site name: SAN DIEGO GAS & ELECTRIC - SILVERGATE
Classification: Small Quantity Generator

Date form received by agency: 03/22/2006
Site name: SAN DIEGO GAS & ELECTRIC - SILVERGATE
Classification: Large Quantity Generator

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

SAN DIEGO GAS AND ELECTRIC- SILVERGATE (Continued) **1000110791**

Date form received by agency: 09/01/1996
Site name: SAN DIEGO GAS & ELEC SILVERGATE POW PLT
Classification: Small Quantity Generator

Date form received by agency: 04/09/1990
Site name: SAN DIEGO GAS & ELECTRIC CO. SILVER GATE
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: SAN DIEGO GAS & ELEC SILVERGATE POW PLT
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 01/31/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/21/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/15/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110009555052

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

CAMDBS (Clean Air Markets Division Business System) is a national information system that supports the implementation of market-based air pollution control programs administered by the Clean Air Markets Division, within the Office of Air and Radiation. These programs include the Acid Rain Program, established by Title IV of the Clean Air Act Amendments of 1990, and regional programs designed reduce the transport of ozone. These emissions trading programs allows regulated facilities (primarily electric utilities) to adopt the most cost-effective strategies to reduce emissions at their units. Units that reduce their emissions below the number of allowances they hold -- each allowance is equivalent to one ton of sulfur dioxide or nitrogen oxides -- may trade allowances with other units in their system, sell them to other utilities on the open market or through EPA

SAN DIEGO GAS AND ELECTRIC- SILVERGATE (Continued) **1000110791**

auctions, or bank them to cover emissions in future years. CAMDBS functions include registering responsible officials, establishing allowance accounts, reporting hourly emissions data, and transferring allowances between accounts.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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.

ELECTRIC GENERATOR

HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000110791
Registry ID:	110009555052
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009555052

E165 **SDG&E SILVERGATE SUBSTATION** **CA LUST** **S102437552**
NE **1348 SAMPSON ST** **CA SAN DIEGO CO. SAM** **N/A**
< 1/8 **SAN DIEGO, CA 92113** **CA CPS-SLIC**
0.096 mi. **CA San Diego Co. HMMD**
508 ft. **Site 7 of 7 in cluster E** **CA SWEEPS UST**
CA HIST UST
Relative: Higher **CA HIST CORTESE**
CA SAN DIEGO CO LOP
Actual: 32 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302743
Global Id:	T0607302743
Latitude:	32.6937536865579
Longitude:	-117.143168135515
Status:	Completed - Case Closed
Status Date:	02/04/1988
Case Worker:	Not reported
RB Case Number:	9UT437
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H13942-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

LUST:
Global Id: T0607302743
Action Type: Other
Date: 09/29/1986
Action: Leak Discovery

Global Id: T0607302743
Action Type: Other
Date: 09/29/1986
Action: Leak Reported

Global Id: T0607302743
Action Type: Other
Date: 09/29/1986
Action: Leak Began

LUST:
Global Id: T0607302743
Status: Completed - Case Closed
Status Date: 02/04/1988

Global Id: T0607302743
Status: Open - Case Begin Date
Status Date: 09/29/1986

Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T06019761425
Global Id: T06019761425
Latitude: 32.6943826100656
Longitude: -117.143309398811
Status: Open - Eligible for Closure
Status Date: 06/12/2015
Case Worker: SM
RB Case Number: Not reported
Local Agency: Not reported
File Location: Local Agency
Local Case Number: Not reported
Potential Media Affect: Soil, Surface water
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon, Gasoline
Site History: Three 220,000-gallon concrete UST was closed in place and soil samples were collected beneath the tanks in 2006. Further assessment is needed before the case is considered for closure. No work has been implemented in spite of DEH phonecalls and Past Due notices.

LUST:
Global Id: T06019761425
Contact Type: Regional Board Caseworker
Contact Name: SEAN MCCLAIN
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: sean.mcclain@waterboards.ca.gov
Phone Number: 6195213374

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

LUST:

Global Id:	T06019761425
Action Type:	ENFORCEMENT
Date:	07/24/2006
Action:	Notice of Responsibility
Global Id:	T06019761425
Action Type:	ENFORCEMENT
Date:	05/10/2012
Action:	Notice to Comply
Global Id:	T06019761425
Action Type:	Other
Date:	08/20/2007
Action:	Leak Discovery
Global Id:	T06019761425
Action Type:	Other
Date:	08/20/2007
Action:	Leak Reported
Global Id:	T06019761425
Action Type:	RESPONSE
Date:	07/11/2012
Action:	Remedial Progress Report
Global Id:	T06019761425
Action Type:	ENFORCEMENT
Date:	03/02/2016
Action:	Technical Correspondence / Assistance / Other
Global Id:	T06019761425
Action Type:	ENFORCEMENT
Date:	07/28/2009
Action:	Letter - Notice
Global Id:	T06019761425
Action Type:	Other
Date:	08/20/2007
Action:	Leak Stopped
Global Id:	T06019761425
Action Type:	RESPONSE
Date:	10/10/2014
Action:	Other Report / Document
Global Id:	T06019761425
Action Type:	Other
Date:	08/20/2007
Action:	Leak Began
Global Id:	T06019761425
Action Type:	ENFORCEMENT
Date:	04/05/2006
Action:	Other Report
Global Id:	T06019761425

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

Action Type: ENFORCEMENT
Date: 04/12/2006
Action: Waste Discharge Requirements - #R9-2003-0262

Global Id: T06019761425
Action Type: RESPONSE
Date: 07/11/2012
Action: Remedial Progress Report - Regulator Responded

Global Id: T06019761425
Action Type: ENFORCEMENT
Date: 12/05/2013
Action: Referral to Regional Board

LUST:
Global Id: T06019761425
Status: Open - Case Begin Date
Status Date: 07/24/2006

Global Id: T06019761425
Status: Open - Eligible for Closure
Status Date: 06/12/2015

Global Id: T06019761425
Status: Open - Site Assessment
Status Date: 07/24/2006

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT437
Local Case: H13942-001
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Remove Contents
Source: Piping
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 09/29/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 04/01/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 7/31/87
Began Monitor: Not reported
Release Date: 10/03/1986
Enforce Date: Not reported
Closed Date: 2/12/88
Enforce Type: Not reported

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

Pilot Program: LOP
Basin Number: 908.22
GW Depth: 19FT
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H13942-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 2/4/1988
Date Began: 9/29/1986

Case Number: H13942-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Preliminary Assessment
Date: 7/24/2006
Date Began: Not reported

Case Number: H13942-003
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Preliminary Assessment
Date: 11/20/2006
Date Began: 11/30/2006

CPS-SLIC:
Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 11/30/2006
Global Id: SLT19730585
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H13942-003
Latitude: 32.6936777128026
Longitude: -117.143158122157
Case Type: Cleanup Program Site
Case Worker: JC
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

HMMD SAN DIEGO:

Permit Number:	113942
Business Type:	6HK52
EPA Id Number:	CAT000618934
APN:	538-700-02-00
Last HMMD Inspection:	11/08/2007
Facility Telephone:	213-220-1405
Permit Status:	INAC
Permit Expiration:	08/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	SAN DIEGO GAS & ELECTRIC
Facility Mailing Address:	8315 CENTURY PARK CT, CP21L
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92123
UST Owner:	SAN DIEGO GAS & ELECTRIC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	113942
Update Date:	11/02/2012
Inspection Date:	01/12/2006
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	Inactive Permit

UST:

UST Name:	UNDERGROUND TANK 113942 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113942
Tank Type:	SINGLE WALL WITH EXTERIOR MEMB
Additional Id:	1501
Capacity Gallons:	224000
UST Contents:	Not reported
Other Content Info:	OTHER - SPECIFY
Reg Status:	CLOSED
Remove Close Date:	1998-12-23 00:00:00
Year Installed:	1941-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

UST Name:	UNDERGROUND TANK 113942 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113942
Tank Type:	SINGLE WALL WITH EXTERIOR MEMB
Additional Id:	1502
Capacity Gallons:	224000

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

UST Contents:	Not reported
Other Content Info:	OTHER - SPECIFY
Reg Status:	CLOSED
Remove Close Date:	1998-12-23 00:00:00
Year Installed:	1941-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED
UST Name:	UNDERGROUND TANK 113942 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113942
Tank Type:	SINGLE WALL WITH EXTERIOR MEMB
Additional Id:	1503
Capacity Gallons:	224000
UST Contents:	Not reported
Other Content Info:	OTHER - SPECIFY
Reg Status:	CLOSED
Remove Close Date:	1998-12-23 00:00:00
Year Installed:	1941-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED
UST Name:	UNDERGROUND TANK 113942 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113942
Tank Type:	UNKNOWN
Additional Id:	1504
Capacity Gallons:	114000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1947-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 113942 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113942
Tank Type:	UNKNOWN
Additional Id:	1505
Capacity Gallons:	38000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1945-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Permit Number: 113942
Business Type: 6HK52
EPA Id Number: CAT000618934
APN: 538-700-02-00
Last HMMD Inspection: 11/08/2007
Facility Telephone: 213-220-1405
Permit Status: INAC
Permit Expiration: 08/31/2009
Date Last Updated: 11/02/2012
Facility Owner: SAN DIEGO GAS & ELECTRIC
Facility Mailing Address: 8315 CENTURY PARK CT, CP21L
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92123
UST Owner: SAN DIEGO GAS & ELECTRIC
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Permit Number: 113942
Update Date: 11/02/2012
Inspection Date: 01/12/2006
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: Inactive Permit

UST:
UST Name: UNDERGROUND TANK 113942 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113942
Tank Type: SINGLE WALL WITH EXTERIOR MEMB
Additional Id: 1501
Capacity Gallons: 224000
UST Contents: Not reported
Other Content Info: OTHER - SPECIFY
Reg Status: CLOSED
Remove Close Date: 1998-12-23 00:00:00
Year Installed: 1941-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 99
UST Monitor Method: OTHER - BLIND REMARK REQUIRED

UST Name: UNDERGROUND TANK 113942 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 113942

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

Tank Type:	SINGLE WALL WITH EXTERIOR MEMB
Additional Id:	1502
Capacity Gallons:	224000
UST Contents:	Not reported
Other Content Info:	OTHER - SPECIFY
Reg Status:	CLOSED
Remove Close Date:	1998-12-23 00:00:00
Year Installed:	1941-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

UST Name:	UNDERGROUND TANK 113942 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113942
Tank Type:	SINGLE WALL WITH EXTERIOR MEMB
Additional Id:	1503
Capacity Gallons:	224000
UST Contents:	Not reported
Other Content Info:	OTHER - SPECIFY
Reg Status:	CLOSED
Remove Close Date:	1998-12-23 00:00:00
Year Installed:	1941-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

UST Name:	UNDERGROUND TANK 113942 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113942
Tank Type:	UNKNOWN
Additional Id:	1504
Capacity Gallons:	114000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1947-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113942 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113942
Tank Type:	UNKNOWN
Additional Id:	1505
Capacity Gallons:	38000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1945-01-01 00:00:00

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Permit Number: Not reported
Business Type: Not reported
EPA Id Number: Not reported
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-441-3906
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 03/21/2018
Facility Owner: Not reported
Facility Mailing Address: 8315 CENTURY PARK CT, CP21L, SAN DIEGO, CA 92123
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: N
Treat Haz Waste: N
Generate Medical Waste: Not reported

Waste and Materials:
Record ID: DEH2009-HUPFP-210687
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118756
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-11-11T00:53:29.000
Chemical Name: DIALA OIL AX
Common Name: DIELECTRIC OIL (MINERAL OIL)
Case Number: 8042-47-5

Record ID: DEH2009-HUPFP-210687
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118757
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-11-11T00:53:29.000
Chemical Name: ELECTROLYTE, BATTERY (SULFURIC ACID)
Common Name: LEAD ACID BATTERY
Case Number: 7664-93-9

Record ID: DEH2009-HUPFP-210687
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118758
Trade Secret: N
Hazardous Material Type: Pure

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

Last Updated: 2016-11-11T00:53:29.000
Chemical Name: Sulfur Hexafluoride
Common Name: SF6
Case Number: 2551-62-4

Record ID: DEH2009-HUPFP-210687
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0174593
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-21T02:16:05.000
Chemical Name: DIALA OIL AX
Common Name: DIELECTRIC OIL (MINERAL OIL)
Case Number: 8042-47-5

Record ID: DEH2009-HUPFP-210687
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0174594
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-21T02:16:05.000
Chemical Name: ELECTROLYTE, BATTERY (SULFURIC ACID)
Common Name: LEAD ACID BATTERY
Case Number: 7664-93-9

Record ID: DEH2009-HUPFP-210687
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0174595
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-21T02:16:05.000
Chemical Name: Sulfur Hexafluoride
Common Name: SF6
Case Number: 2551-62-4

Record ID: DEH2009-HUPFP-210687
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0138261
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-07-18T02:32:47.000
Chemical Name: DIALA OIL AX
Common Name: DIELECTRIC OIL (MINERAL OIL)
Case Number: 8042-47-5

Record ID: DEH2009-HUPFP-210687
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0138262
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-07-18T02:32:47.000
Chemical Name: ELECTROLYTE, BATTERY (SULFURIC ACID)

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

Common Name: LEAD ACID BATTERY
Case Number: 7664-93-9

Record ID: DEH2009-HUPFP-210687
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0138263
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-07-18T02:32:47.000
Chemical Name: Sulfur Hexafluoride
Common Name: SF6
Case Number: 2551-62-4

Permit Number: 210687
Business Type: 6HK52
EPA Id Number: Not reported
APN: 538-700-02-00
Last HMMD Inspection: 11/14/2011
Facility Telephone: 619-441-3906
Permit Status: OPEN
Permit Expiration: 07/31/2013
Date Last Updated: 11/02/2012
Facility Owner: SAN DIEGO CAS & ELECTRIC
Facility Mailing Address: 8315 CENTURY PARK, CP21L
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92123
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 210687
Update Date: 11/02/2012
Case Number: 8042-47-5
Name: DIALA OIL AX
Other Information: DIELECTRIC OIL (MINERAL OIL)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210687
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: HYDROGEN SULFURIC (SULFURIC ACID)
Other Information: ELECTROLYTE, BATTERY
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

SWEEPS UST:

Status:	Active
Comp Number:	13942
Number:	9
Board Of Equalization:	44-016357
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13942
Number:	Not reported
Board Of Equalization:	44-016357
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013942-000001
Tank Status:	Not reported
Capacity:	224000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	5

Status:	Not reported
Comp Number:	13942
Number:	Not reported
Board Of Equalization:	44-016357
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013942-000002
Tank Status:	Not reported
Capacity:	224000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13942
Number:	Not reported
Board Of Equalization:	44-016357
Referral Date:	Not reported

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013942-000003
Tank Status: Not reported
Capacity: 224000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13942
Number: Not reported
Board Of Equalization: 44-016357
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013942-000004
Tank Status: Not reported
Capacity: 114000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13942
Number: Not reported
Board Of Equalization: 44-016357
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013942-000005
Tank Status: Not reported
Capacity: 38000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
File Number: 0002F261
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F261.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

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

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

Click here for Geo Tracker PDF:

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT437

SAN DIEGO CO LOP:
Record ID: DEH1986-LSAM-H13942-001
Record Status: Completed
Opened Date: 09/29/1986
Parcel Number: 538-700-02-00
Case Type: LOP - Local Oversight Program
Historical Name: SDG&E
SWRCB Global ID: T0607302743
Funding: S - LOP State Fund
Lead Agency: DEH/SAM
Lead Agency Date: 09/29/1986
Census Tract: 50.00
Community: San Diego
Jurisdiction: SAN DIEGO
Watershed Basin Number: 908.22
Water Purveyor: SAN DIEGO
Fire Agency: SAN DIEGO
Thomas Bros Map Page Grid: 1289 C 6
Latitude: 32.6945490
Longitude: -117.1438513
X MapCoord: 6286666.463
Y MapCoord: 1833668.283

Record ID: DEH2006-LSAM-H13942-002
Record Status: Completed
Opened Date: 07/24/2006
Parcel Number: 538-700-02-00
Case Type: LOP - Local Oversight Program
Historical Name: SDG&E SILVERGATE SUBSTATION
SWRCB Global ID: T06019761425
Funding: S - LOP State Fund
Lead Agency: RWQCB
Lead Agency Date: 11/04/2013
Census Tract: 50.00
Community: San Diego
Jurisdiction: SAN DIEGO

SDG&E SILVERGATE SUBSTATION (Continued) **S102437552**

Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1289 C 6
Latitude:	32.6945490
Longitude:	-117.1438513
X MapCoord:	6286666.463
Y MapCoord:	1833668.283

---

166 **PROPULSION CONTROLS ENGINEERING *D** **RCRA NonGen / NLR** **1000350137**
NNE **1304 SAMPSON ST** **CAD073349607**
< 1/8 **SAN DIEGO, CA 92113**
0.108 mi.
571 ft.

Relative:
Higher

Actual:
34 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/26/2007
Facility name:	PROPULSION CONTROLS ENGINEERING *D
Facility address:	1304 SAMPSON ST SAN DIEGO, CA 92113
EPA ID:	CAD073349607
Mailing address:	PO BOX 13606 SAN DIEGO, CA 92170-3606
Contact:	KATY SANFORD
Contact address:	PO BOX 13606 SAN DIEGO, CA 92170-3606
Contact country:	US
Contact telephone:	619-235-0961
Telephone ext.:	304
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

PROPULSION CONTROLS ENGINEERING *D (Continued) **1000350137**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: PROPULSION CONTROLS ENGINEERING
Classification: Small Quantity Generator

Date form received by agency: 06/24/1986
Site name: PROPULSION CONTROLS ENGINEERING
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 06/17/1993
Date achieved compliance: 06/17/1998
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/17/1991
Date achieved compliance: 06/17/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/17/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/17/1998
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/17/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

PROPULSION CONTROLS ENGINEERING *D (Continued) **1000350137**

Area of violation: Generators - General
Date achieved compliance: 06/17/1993
Evaluation lead agency: State Contractor/Grantee

G167 **ARCO TERMINAL** **CA LUST** **S102424490**
ENE **2295 HARBOR DR E** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.110 mi.
580 ft. **Site 1 of 11 in cluster G**

Relative:
Higher

Actual:
32 ft.

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT3030
Local Case: H02375-003
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Not reported
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 11/22/1994
Date Stopped: 11/22/1994
Confirm Date: 01/06/1995
Submit Workplan: Not reported
Prelim Assess: 01/09/1995
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/05/1995
Enforce Date: 1/5/95
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: BUOC
NPDES Number: Not reported
Priority: Medium priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

G168 **TESORO SAN DIEGO TERMINAL** **CA AST** **A100425199**
ENE **2295 E HARBOR DR** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.110 mi.
580 ft. **Site 2 of 11 in cluster G**

Relative:
Higher

Actual:
32 ft.

AST:

Certified Unified Program Agencies:	Not reported
Owner:	TESORO LOGISTICS OPERATIONS, LLC
Total Gallons:	Not reported
CERSID:	10385461
Facility ID:	37-000-102375
Business Name:	ARCO SAN DIEGO TERMINAL
Phone:	619-233-4400
Fax:	619-231-9603
Mailing Address:	2295 E HARBOR DR
Mailing Address City:	SAN DIEGO
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	TESORO LOGISTICS OPERATIONS, LLC
Operator Phone:	619-233-4400
Owner Phone:	619-233-4400
Owner Mail Address:	2295 E HARBOR DR
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	TESORO LOGISTICS OPERATIONS LLC
Property Owner Phone:	619-238-6174
Property Owner Mailing Address:	2295 E HARBOR DR
Property Owner City:	SAN DIEGO
Property Owner Stat :	CA
Property Owner Zip Code:	Not reported
Property Owner Country:	United States
EPAID:	CAD000633271

G169 **TESORO SAN DIEGO TERMINAL** **CA UST** **1005454843**
ENE **2295 HARBOR DR** **TRIS** **92113RCSND2295E**
< 1/8 **SAN DIEGO, CA 92113**
0.110 mi.
580 ft. **Site 3 of 11 in cluster G**

Relative:
Higher

Actual:
32 ft.

UST:

Facility ID:	H02375
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.6949939
Longitude:	-117.140481

TRIS:

Click this hyperlink while viewing on your computer to access
9 additional US_TRIS: record(s) in the EDR Site Report.

G170 **SFPP LP HARBOR JUNCTION** **RCRA-LQG** **1019899615**
ENE **2295 E HARBOR DRIVE** **FINDS** **CAR000267229**
< 1/8 **SAN DIEGO, CA 92113** **ECHO**
0.110 mi.
580 ft. **Site 4 of 11 in cluster G**

Relative:
Higher

Actual:
32 ft.

RCRA-LQG:

Date form received by agency:	10/11/2016
Facility name:	SFPP LP HARBOR JUNCTION
Facility address:	2295 E HARBOR DRIVE SAN DIEGO, CA 92113
EPA ID:	CAR000267229
Mailing address:	TOWN AND COUNTRY RD ORANGE, CA 92868
Contact:	KARINA HANKINS
Contact address:	TOWN AND COUNTRY RD STE 700 ORANGE, CA 92868
Contact country:	US
Contact telephone:	714-560-4887
Contact email:	KARINA_HANKINS@KINDERMORGAN.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SFPP LP
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	02/08/1990
Owner/Op end date:	Not reported

Owner/operator name:	SFPP LP
Owner/operator address:	TOWN AND COUNTRY RD ORANGE, CA 92868
Owner/operator country:	US
Owner/operator telephone:	714-560-4400
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner

SFPP LP HARBOR JUNCTION (Continued) **1019899615**

Owner/Op start date: 02/08/1990
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110070124609

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.

SFPP LP HARBOR JUNCTION (Continued) **1019899615**

ECHO:
Envid: 1019899615
Registry ID: 110070124609
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070124609

G171 **SCHROEDER TED R** **EDR Hist Auto** **1020336503**
ENE **2295 E HARBOR DR** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.110 mi.
580 ft. **Site 5 of 11 in cluster G**

Relative: EDR Hist Auto
Higher

Actual:
32 ft.

Year:	Name:	Type:
1969	SCHROEDER TED R	Toys And Hobby Goods And Supplies
1971	SCHROEDER TED R	Toys And Hobby Goods And Supplies
2005	ATLANTIC RICHFIELD COMPANY	Gasoline Service Stations, NEC
2006	ATLANTIC RICHFIELD COMPANY	Gasoline Service Stations, NEC
2007	ATLANTIC RICHFIELD COMPANY	Gasoline Service Stations, NEC
2008	ATLANTIC RICHFIELD COMPANY	Gasoline Service Stations, NEC
2009	ATLANTIC RICHFIELD COMPANY	Gasoline Service Stations, NEC
2010	ATLANTIC RICHFIELD COMPANY	Gasoline Service Stations, NEC
2010	ARCO	Gasoline Service Stations, NEC
2011	ATLANTIC RICHFIELD COMPANY	Gasoline Service Stations, NEC
2011	ARCO	Gasoline Service Stations, NEC
2011	BP PRODUCTS NORTH AMERICA INC	Gasoline Service Stations, NEC
2012	BP PRODUCTS NORTH AMERICA INC	Gasoline Service Stations, NEC
2012	ATLANTIC RICHFIELD COMPANY	Gasoline Service Stations, NEC
2012	ARCO	Gasoline Service Stations, NEC
2013	ATLANTIC RICHFIELD COMPANY	Gasoline Service Stations, NEC
2013	BP PRODUCTS NORTH AMERICA INC	Gasoline Service Stations, NEC
2013	ARCO	Gasoline Service Stations, NEC
2014	ARCO	Gasoline Service Stations, NEC
2014	ATLANTIC RICHFIELD COMPANY	Gasoline Service Stations, NEC
2014	BP PRODUCTS NORTH AMERICA INC	Gasoline Service Stations, NEC

G172 **TLO SAN DIEGO TERMINAL** **FINDS** **1016679360**
ENE **2295 HARBOR DR** **FUELS PROGRAM** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.110 mi.
580 ft. **Site 6 of 11 in cluster G**

Relative: FINDS:
Higher

Actual:
32 ft.

Registry ID: 110070242084

Environmental Interest/Information System
ETHANOL FACILITY/GASOLINE AND DIESEL PRODUCERS

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

FUELS PROGRAM:
Program Type: Diesel, Gasoline, Renewable Fuel Standard

TLO SAN DIEGO TERMINAL (Continued) **1016679360**

Company Seq. ID:	4249
Business Activity:	Non-Renewable Fuels Importer, Non-Renewable Fuels Importer, Oxygenate Blender, Pipeline/Pass-Through Terminal, Refiner, Renewable Fuel Producer, Truck Loading Terminal/Locomotive Marker Facility
Company Name:	Tesoro Logistics Operations LLC
Company Address:	19100 Ridgewood Parkway San Antonio, TX 78259
Facility ID:	21503
Facility Type:	Gas/Ethanol
Facility Activity:	Oxygenate Blender
Subject to 80.1403:	Not reported
Fuel Only For Off Road:	Not reported
Fuel Created:	Not reported
D Code:	Not reported

G173 **ARCO GAS TERMINAL** **CA LUST** **S104494692**
ENE **2295 HARBOR DR E** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.110 mi.
580 ft. **Site 7 of 11 in cluster G**

Relative: **Higher**

Actual: **32 ft.**

LUST REG 9:

Region:	9
Status:	Preliminary site assessment workplan submitted
Case Number:	9UT3986
Local Case:	H02375-005
Substance:	Unleaded Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Piping
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	08/07/1998
Date Stopped:	08/07/1998
Confirm Date:	08/17/1998
Submit Workplan:	10/5/99
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	08/17/1998
Enforce Date:	10/8/99
Closed Date:	Not reported
Enforce Type:	SEL
Pilot Program:	LOP
Basin Number:	908.22
GW Depth:	Not reported
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	Not reported
Interim Remedial Actions:	Not reported

ARCO GAS TERMINAL (Continued) **S104494692**

Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

G174 **SAN DIEGO PIPELINE CO** **CA SWEEPS UST** **S106931790**
ENE **2295 E HARBOR DR A** **N/A**
< 1/8 **SAN DIEGO, CA 92113**
0.110 mi.
580 ft. **Site 8 of 11 in cluster G**

Relative:
Higher

Actual:
32 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	21197
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:	37-000-021197-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	1

G175 **TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL** **RCRA-LQG** **1000153711**
ENE **2295 E. HARBOR DRIVE** **ICIS** **CAD000633271**
< 1/8 **SAN DIEGO, CA 92113** **US AIRS**
0.110 mi. **FINDS**
580 ft. **Site 9 of 11 in cluster G**

Relative:
Higher

Actual:
32 ft.

RCRA-LQG:

Date form received by agency:	02/26/2016
Facility name:	TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL
Facility address:	2295 E. HARBOR DRIVE SAN DIEGO, CA 92113
EPA ID:	CAD000633271
Mailing address:	E. HARBOR DRIVE SAN DIEGO, CA 92113
Contact:	MARC T HOFF
Contact address:	E. HARBOR DRIVE SAN DIEGO, CA 92113
Contact country:	US
Contact telephone:	619-237-5164
Contact email:	MARC.T.HOFF@TSOCORP.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	TESORO LOGISTICS OPERATIONS LLC
Owner/operator address:	E. HARBOR DRIVE
	SAN DIEGO, CA 92113
Owner/operator country:	US
Owner/operator telephone:	619-237-5164
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	06/01/2013
Owner/Op end date:	Not reported

Owner/operator name:	TESORO LOGISTICS OPS LLC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/2013
Owner/Op end date:	Not reported

Owner/operator name:	TESORO LOGISTICS OPERATIONS LLC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/01/2013
Owner/Op end date:	Not reported

Owner/operator name:	TESORO LOGISTICS OPS LLC
Owner/operator address:	19100 RIDGEWOOD PKWY
	SAN ANTONIO, TX 78259
Owner/operator country:	US
Owner/operator telephone:	210-626-6000
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Owner/Op start date: 06/01/2013
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Historical Generators:
Date form received by agency: 08/21/2013
Site name: SAN DIEGO MARKETING TERMINAL
Classification: Large Quantity Generator

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

. Waste name: Unspecified aqueous solution

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 06/05/2013
Site name: SAN DIEGO MARKETING TERMINAL
Classification: Large Quantity Generator

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 08/21/2012
Site name: BP WEST COAST PRODUCTS LLC, ARCO SAN DIEGO TERMINAL
Classification: Large Quantity Generator

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D018
. Waste name: BENZENE

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Date form received by agency: 06/07/2010
Site name: BP WEST COAST PRODUCTS, ARCO SAN DIEGO T
Classification: Large Quantity Generator

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 09/01/1996
Site name: ATLANTIC RICHFIELD CO SAN DIEGO TERM
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: ATLANTIC RICHFIELD CO SAN DIEGO TERM
Classification: Small Quantity Generator

Date form received by agency: 02/29/1996
Site name: ARCO PRODUCTS COMPANY-SAN DIEGO TERMINAL
Classification: Large Quantity Generator

Date form received by agency: 03/25/1994
Site name: ARCO PRODUCTS CO SAN DIEGO TERM
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Site name: ARCO PETROLEUM PRODUCTS CO SAN DIEGO TER
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: ATLANTIC RICHFIELD CO SAN DIEGO TERM
Classification: Large Quantity Generator

Biennial Reports:

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	4197
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	153
Waste code:	D018
Waste name:	BENZENE
Amount (Lbs):	4197

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	05/05/2004
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State Contractor/Grantee

ICIS:

Enforcement Action ID:	CASDSA0000060730003900132
FRS ID:	110000478830
Action Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900132
Facility Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address:	2295 E HARBOR DR SAN DIEGO, CA 92113
Enforcement Action Type:	Administrative Order
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported
Enforcement Action ID:	CASDSA0000060730003900131
FRS ID:	110000478830
Action Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900131
Facility Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address:	2295 E HARBOR DR

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

	SAN DIEGO, CA 92113
Enforcement Action Type:	Notice of Violation
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported

Enforcement Action ID:	CASDSA0000060730003900127
FRS ID:	110000478830
Action Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900127
Facility Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address:	2295 E HARBOR DR
	SAN DIEGO, CA 92113
Enforcement Action Type:	Administrative Order
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported

Enforcement Action ID:	CASDSA0000060730003900126
FRS ID:	110000478830
Action Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900126
Facility Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address:	2295 E HARBOR DR
	SAN DIEGO, CA 92113
Enforcement Action Type:	Notice of Violation
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported

Enforcement Action ID:	CASDSA0000060730003900120
FRS ID:	110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Action Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900120
Facility Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address:	2295 E HARBOR DR SAN DIEGO, CA 92113
Enforcement Action Type:	Administrative Order
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported

Enforcement Action ID:	CASDSA0000060730003900119
FRS ID:	110000478830
Action Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900119
Facility Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address:	2295 E HARBOR DR SAN DIEGO, CA 92113
Enforcement Action Type:	Notice of Violation
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported

Enforcement Action ID:	CASDSA0000060730003900115
FRS ID:	110000478830
Action Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900115
Facility Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address:	2295 E HARBOR DR SAN DIEGO, CA 92113
Enforcement Action Type:	Administrative Order
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Enforcement Action ID: CASDSA0000060730003900113
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900113
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900108
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900108
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900102
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900102
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900098
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900098
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900097
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900097
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900088
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900088
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900086
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900086
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900074
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900074
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900072
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900072
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900067
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900067
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900066
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900066
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900062
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900062
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900057
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900057
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900052
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900052
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR
SAN DIEGO, CA 92113
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 5171
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.6941
Longitude in Decimal Degrees: -117.14152
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300039
Facility NAICS Code: 424710
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA0000060730003900047
FRS ID: 110000478830
Action Name: ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900047
Facility Name: ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address: 2295 E HARBOR DR

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

	SAN DIEGO, CA 92113
Enforcement Action Type:	Administrative Order
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported

Enforcement Action ID:	CASDSA0000060730003900045
FRS ID:	110000478830
Action Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900045
Facility Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address:	2295 E HARBOR DR
	SAN DIEGO, CA 92113
Enforcement Action Type:	Administrative Order
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported

Enforcement Action ID:	CASDSA0000060730003900044
FRS ID:	110000478830
Action Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900044
Facility Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address:	2295 E HARBOR DR
	SAN DIEGO, CA 92113
Enforcement Action Type:	Notice of Violation
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported

Enforcement Action ID:	CASDSA0000060730003900042
FRS ID:	110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Action Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL 060730003900042
Facility Name:	ARCO PRODUCTS-SAN DIEGO TERMINAL
Facility Address:	2295 E HARBOR DR SAN DIEGO, CA 92113
Enforcement Action Type:	Notice of Violation
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	5171
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	32.6941
Longitude in Decimal Degrees:	-117.14152
Permit Type Desc:	Not reported
Program System Acronym:	CASDS0000607300039
Facility NAICS Code:	424710
Tribal Land Code:	Not reported

US AIRS MINOR:

Envid:	1000153711
Region Code:	09
Programmatic ID:	AIR CASDS0000607300039
Facility Registry ID:	110000478830
D and B Number:	Not reported
Primary SIC Code:	5171
NAICS Code:	424710
Default Air Classification Code:	MIN
Facility Type of Ownership Code:	POF
Air CMS Category Code:	Not reported
HPV Status:	Not reported

US AIRS MINOR:

Region Code:	09
Programmatic ID:	AIR CASDS0000607300039
Facility Registry ID:	110000478830
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2001-08-16 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300039
Facility Registry ID:	110000478830
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2002-09-10 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2008-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2011-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2012-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2013-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2013-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2014-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1984-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1984-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1985-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 1985-10-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1986-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1987-01-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1987-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1988-05-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1989-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1989-06-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1990-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1990-12-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1991-05-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1991-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1992-09-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1993-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1994-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1995-09-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1996-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1998-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1999-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2000-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 2001-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2002-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2004-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2008-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2011-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2012-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2013-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2013-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2014-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1994-01-12 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1994-01-28 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1995-12-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-10-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-04-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 1980-12-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-10-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-05-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-06-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-05-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-09-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 1994-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-09-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 2013-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-12-08 00:00:00
Activity Status Date: 1993-12-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-01-12 00:00:00
Activity Status Date: 1994-01-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-12-20 00:00:00
Activity Status Date: 1995-12-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-12-03 00:00:00
Activity Status Date: 1993-12-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-08-07 00:00:00
Activity Status Date: 1995-08-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1995-12-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1996-10-22 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1998-01-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code:	09
Programmatic ID:	AIR CASDS0000607300039
Facility Registry ID:	110000478830
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	1998-12-28 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved

Region Code:	09
Programmatic ID:	AIR CASDS0000607300039
Facility Registry ID:	110000478830
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	2000-01-19 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved

Region Code:	09
Programmatic ID:	AIR CASDS0000607300039
Facility Registry ID:	110000478830
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	2001-01-19 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved

Region Code:	09
Programmatic ID:	AIR CASDS0000607300039
Facility Registry ID:	110000478830
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	2003-01-10 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved

Region Code:	09
Programmatic ID:	AIR CASDS0000607300039
Facility Registry ID:	110000478830
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	2003-08-21 00:00:00
Activity Group:	Case File

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-09-17 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-09-26 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1998-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1999-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 2000-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2001-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2002-03-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2002-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2005-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2008-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2011-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2013-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1995-12-20 00:00:00
Activity Status Date: 1995-12-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1998-01-20 00:00:00
Activity Status Date: 1998-01-20 00:00:00
Activity Group: Enforcement Action

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1998-09-25 00:00:00
Activity Status Date: 1998-09-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2000-12-15 00:00:00
Activity Status Date: 2000-12-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-01-10 00:00:00
Activity Status Date: 2003-01-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-04-24 00:00:00
Activity Status Date: 2003-04-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 2004-01-06 00:00:00
Activity Status Date: 2004-01-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-09-19 00:00:00
Activity Status Date: 2004-09-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1995-09-15 00:00:00
Activity Status Date: 1995-09-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1996-08-08 00:00:00
Activity Status Date: 1996-08-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1997-08-07 00:00:00
Activity Status Date: 1997-08-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1998-08-25 00:00:00
Activity Status Date: 1998-08-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2000-08-09 00:00:00
Activity Status Date: 2000-08-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2000-09-15 00:00:00
Activity Status Date: 2000-09-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2002-09-10 00:00:00
Activity Status Date: 2002-09-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-03-05 00:00:00
Activity Status Date: 2003-03-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-08-12 00:00:00
Activity Status Date: 2003-08-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-09-19 00:00:00
Activity Status Date: 2003-09-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

US AIRS MINOR:
Envid: 1000153711
Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
D and B Number: Not reported
Primary SIC Code: 5171
NAICS Code: 424710
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2001-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 2002-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2008-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2011-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2012-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2013-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2013-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2014-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1984-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1984-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1985-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1985-10-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1986-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1987-01-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1987-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1988-05-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1989-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1989-06-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1990-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1990-12-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 1991-05-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1991-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1992-09-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1993-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1994-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1995-09-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1996-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1998-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 1999-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2000-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2001-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2002-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2004-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2008-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2011-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2012-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2013-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards
Activity Date: 2013-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: New Source Performance Standards

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 2014-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1994-01-12 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1994-01-28 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1995-12-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-10-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-04-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-12-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-10-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 1987-02-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-05-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-06-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-05-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-09-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-09-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 2006-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-12-08 00:00:00
Activity Status Date: 1993-12-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-01-12 00:00:00
Activity Status Date: 1994-01-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-12-20 00:00:00
Activity Status Date: 1995-12-20 00:00:00
Activity Group: Enforcement Action

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-12-03 00:00:00
Activity Status Date: 1993-12-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-08-07 00:00:00
Activity Status Date: 1995-08-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1995-12-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1996-10-22 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: Not reported
Activity Status Date: 1998-01-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1998-12-28 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2000-01-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2001-01-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-01-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-08-21 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-09-17 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-09-26 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1998-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1999-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2000-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2001-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2002-03-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2002-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-02-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2005-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 2008-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2011-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2013-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1995-12-20 00:00:00
Activity Status Date: 1995-12-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1998-01-20 00:00:00
Activity Status Date: 1998-01-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1998-09-25 00:00:00
Activity Status Date: 1998-09-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2000-12-15 00:00:00
Activity Status Date: 2000-12-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-01-10 00:00:00
Activity Status Date: 2003-01-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-04-24 00:00:00
Activity Status Date: 2003-04-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-01-06 00:00:00
Activity Status Date: 2004-01-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-09-19 00:00:00
Activity Status Date: 2004-09-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1995-09-15 00:00:00
Activity Status Date: 1995-09-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1996-08-08 00:00:00
Activity Status Date: 1996-08-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1997-08-07 00:00:00
Activity Status Date: 1997-08-07 00:00:00
Activity Group: Enforcement Action

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1998-08-25 00:00:00
Activity Status Date: 1998-08-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2000-08-09 00:00:00
Activity Status Date: 2000-08-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2000-09-15 00:00:00
Activity Status Date: 2000-09-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2002-09-10 00:00:00
Activity Status Date: 2002-09-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

Activity Date: 2003-03-05 00:00:00
Activity Status Date: 2003-03-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-08-12 00:00:00
Activity Status Date: 2003-08-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300039
Facility Registry ID: 110000478830
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-09-19 00:00:00
Activity Status Date: 2003-09-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:

Registry ID: 110000478830

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

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.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

TESORO LOGISTICS, ARCO SAN DIEGO TERMINAL (Continued) **1000153711**

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.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

HAZARDOUS AIR POLLUTANT MAJOR

STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

AIR MINOR

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.

G176 **ARCO** **CA LUST** **S100725892**
ENE **2295 HARBOR DR E** **CA SAN DIEGO CO. SAM** **N/A**
< 1/8 **SAN DIEGO, CA 92101** **CA CPS-SLIC**
0.110 mi. **CA San Diego Co. HMMD**
580 ft. **Site 10 of 11 in cluster G** **CA SWEEPS UST**
CA HIST UST
Relative: Higher **CA EMI**
CA HAZNET
Actual: 32 ft. **CA HIST CORTESE**
CA NPDES
CA SAN DIEGO CO LOP
CA CIWQS

LUST:
Lead Agency: SAN DIEGO COUNTY LOP

ARCO (Continued) **S100725892**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301799
Global Id:	T0607301799
Latitude:	32.6939991944137
Longitude:	-117.142388820648
Status:	Open - Remediation
Status Date:	05/01/1998
Case Worker:	EP
RB Case Number:	9UT3030
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H02375-003
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	This case has been administratively consolidated with the following DEH cases H02375-002, H02375-004, & H02375-005. Soil and groundwater assessment and remediation activities have been ongoing at the site since 1992 to address hydrocarbon impacts due to historical fuel releases at the site. There were four separate releases that were initiated on this site. Site assessment activities are ongoing for this site, and joint monitoring with the neighboring Cheveron terminal is being conducted. Please see the Environmental Data tab for additional site specific data.

LUST:

Global Id:	T0607301799
Contact Type:	Local Agency Caseworker
Contact Name:	ED PAREDES
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	SAN DIEGO
Email:	ed.paredes@sdcounty.ca.gov
Phone Number:	8585056806

LUST:

Global Id:	T0607301799
Action Type:	RESPONSE
Date:	04/30/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607301799
Action Type:	RESPONSE
Date:	07/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607301799
Action Type:	RESPONSE
Date:	01/30/2015
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607301799
Action Type:	RESPONSE
Date:	09/03/2015
Action:	CAP/RAP - Other Report - Regulator Responded
Global Id:	T0607301799
Action Type:	RESPONSE

ARCO (Continued) **S100725892**

Date: 10/30/2016
Action: Monitoring Report - Quarterly

Global Id: T0607301799
Action Type: RESPONSE
Date: 12/10/2012
Action: Correspondence

Global Id: T0607301799
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607301799
Action Type: Other
Date: 09/10/1992
Action: Leak Reported

Global Id: T0607301799
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607301799
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607301799
Action Type: ENFORCEMENT
Date: 09/13/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301799
Action Type: ENFORCEMENT
Date: 04/13/2018
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301799
Action Type: RESPONSE
Date: 12/01/2000
Action: Interim Remedial Action Plan - Regulator Responded

Global Id: T0607301799
Action Type: RESPONSE
Date: 04/30/2017
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607301799
Action Type: RESPONSE
Date: 01/30/2017
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607301799
Action Type: ENFORCEMENT
Date: 05/12/2017
Action: Email Correspondence

ARCO (Continued) **S100725892**

Global Id: T0607301799
Action Type: RESPONSE
Date: 07/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607301799
Action Type: RESPONSE
Date: 07/30/2016
Action: Monitoring Report - Quarterly

Global Id: T0607301799
Action Type: ENFORCEMENT
Date: 03/30/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301799
Action Type: Other
Date: 09/10/1992
Action: Leak Began

Global Id: T0607301799
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607301799
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607301799
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Letter - Notice

Global Id: T0607301799
Action Type: RESPONSE
Date: 11/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0607301799
Action Type: RESPONSE
Date: 05/04/2009
Action: Monitoring Report - Quarterly

Global Id: T0607301799
Action Type: REMEDIATION
Date: 08/07/2007
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0607301799
Action Type: Other
Date: 09/10/1992
Action: Leak Stopped

Global Id: T0607301799
Action Type: RESPONSE

ARCO (Continued) **S100725892**

Date: 10/10/2017
Action: Correspondence

Global Id: T0607301799
Action Type: REMEDIATION
Date: 05/01/1998
Action: Soil Vapor Extraction (SVE)

Global Id: T0607301799
Action Type: RESPONSE
Date: 12/22/2015
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607301799
Action Type: RESPONSE
Date: 07/30/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0607301799
Action Type: RESPONSE
Date: 07/30/2017
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607301799
Action Type: RESPONSE
Date: 03/17/1999
Action: Other Workplan - Regulator Responded

Global Id: T0607301799
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607301799
Action Type: ENFORCEMENT
Date: 11/12/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301799
Action Type: RESPONSE
Date: 12/21/1994
Action: Other Workplan - Regulator Responded

Global Id: T0607301799
Action Type: RESPONSE
Date: 10/21/2001
Action: Other Workplan - Regulator Responded

Global Id: T0607301799
Action Type: RESPONSE
Date: 06/13/1996
Action: Other Workplan - Regulator Responded

Global Id: T0607301799
Action Type: RESPONSE
Date: 01/30/2014
Action: Monitoring Report - Semi-Annually

ARCO (Continued) **S100725892**

Global Id: T0607301799
Action Type: ENFORCEMENT
Date: 09/03/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301799
Action Type: ENFORCEMENT
Date: 01/21/2010
Action: Letter - Notice

Global Id: T0607301799
Action Type: Other
Date: 09/10/1992
Action: Leak Discovery

Global Id: T0607301799
Action Type: RESPONSE
Date: 10/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607301799
Action Type: ENFORCEMENT
Date: 01/05/1995
Action: Notice of Responsibility

LUST:
Global Id: T0607301799
Status: Open - Case Begin Date
Status Date: 11/22/1994

Global Id: T0607301799
Status: Open - Remediation
Status Date: 05/01/1998

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607399202
Global Id: T0607399202
Latitude: 32.6934610022539
Longitude: -117.141868639127
Status: Completed - Case Closed
Status Date: 01/27/2010
Case Worker: Not reported
RB Case Number: 9UT3986
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H02375-005
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Soil and groundwater assessment and remediation activities have been ongoing at the site since 1992 to address hydrocarbon impacts due to historical fuel releases at the site. There are currently four open site assessment cases with DEH for this site. All information is managed under DEH case # H02375-005. Site assessment activities are ongoing for this site, and joint monitoring with the neighboring Cheveron terminal is being conducted. Please see the Environmental

ARCO (Continued) **S100725892**

Data tab for additional site specific data. This case has been administratively consolidated with H02375-003, please see H02375-003 for all case information.

LUST:
Global Id: T0607399202
Action Type: Other
Date: 08/17/1998
Action: Leak Reported

Global Id: T0607399202
Action Type: RESPONSE
Date: 11/20/2008
Action: Monitoring Report - Quarterly

Global Id: T0607399202
Action Type: ENFORCEMENT
Date: 01/21/2010
Action: Closure/No Further Action Letter

Global Id: T0607399202
Action Type: ENFORCEMENT
Date: 10/08/1999
Action: Notice of Responsibility

Global Id: T0607399202
Action Type: Other
Date: 08/07/1998
Action: Leak Discovery

Global Id: T0607399202
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607399202
Action Type: Other
Date: 08/07/1998
Action: Leak Began

Global Id: T0607399202
Action Type: ENFORCEMENT
Date: 07/15/2009
Action: Letter - Notice

Global Id: T0607399202
Action Type: RESPONSE
Date: 05/04/2009
Action: Monitoring Report - Quarterly

Global Id: T0607399202
Action Type: Other
Date: 08/07/1998
Action: Leak Stopped

LUST:
Global Id: T0607399202

ARCO (Continued) **S100725892**

Status: Completed - Case Closed
Status Date: 01/27/2010

Global Id: T0607399202
Status: Open - Case Begin Date
Status Date: 05/01/1998

Global Id: T0607399202
Status: Open - Remediation
Status Date: 05/01/1998

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301045
Global Id: T0607301045
Latitude: 32.6935517153331
Longitude: -117.14147093002
Status: Completed - Case Closed
Status Date: 01/27/2010
Case Worker: Not reported
RB Case Number: 9UT2279
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H02375-002
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Soil and groundwater assessment and remediation activities have been ongoing at the site since 1992 to address hydrocarbon impacts due to historical fuel releases at the site. There are currently four open site assessment cases with DEH for this site. All information is managed under DEH case # H02375-005. Site assessment activities are ongoing for this site, and joint monitoring with the neighboring Cheveron terminal is being conducted. Please see the Environmental Data tab for additional site specific data. This case has been consolidated with H02375-003, please see case H02375-003 for all case information.

LUST:
Global Id: T0607301045
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Letter - Notice

Global Id: T0607301045
Action Type: Other
Date: 09/10/1992
Action: Leak Reported

Global Id: T0607301045
Action Type: Other
Date: 09/10/1992
Action: Leak Began

Global Id: T0607301045
Action Type: ENFORCEMENT
Date: 01/21/2010
Action: Closure/No Further Action Letter

ARCO (Continued) **S100725892**

Global Id: T0607301045
Action Type: Other
Date: 09/10/1992
Action: Leak Discovery

Global Id: T0607301045
Action Type: ENFORCEMENT
Date: 10/19/1992
Action: Notice of Responsibility

LUST:
Global Id: T0607301045
Status: Completed - Case Closed
Status Date: 01/27/2010

Global Id: T0607301045
Status: Open - Case Begin Date
Status Date: 09/10/1992

Global Id: T0607301045
Status: Open - Remediation
Status Date: 11/14/1997

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301975
Global Id: T0607301975
Latitude: 32.6937467433096
Longitude: -117.141689798538
Status: Completed - Case Closed
Status Date: 01/27/2010
Case Worker: Not reported
RB Case Number: 9UT3218
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H02375-004
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Soil and groundwater assessment and remediation activities have been ongoing at the site since 1992 to address hydrocarbon impacts due to historical fuel releases at the site. There are currently four open site assessment cases with DEH for this site. All information is managed under DEH case # H02375-005. Site assessment activities are ongoing for this site, and joint monitoring with the neighboring Cheveron terminal is being conducted. Please see the Environmental Data tab for additional site specific data. This case has been administratively consolidated with H02375-003, please see H02375-003 for all case information.

LUST:
Global Id: T0607301975
Action Type: ENFORCEMENT
Date: 07/15/2009
Action: Letter - Notice

Global Id: T0607301975

ARCO (Continued) **S100725892**

Action Type: Other
Date: 04/12/1996
Action: Leak Discovery

Global Id: T0607301975
Action Type: Other
Date: 04/12/1996
Action: Leak Reported

Global Id: T0607301975
Action Type: ENFORCEMENT
Date: 01/21/2010
Action: Closure/No Further Action Letter

Global Id: T0607301975
Action Type: Other
Date: 04/12/1996
Action: Leak Began

Global Id: T0607301975
Action Type: Other
Date: 04/12/1996
Action: Leak Stopped

Global Id: T0607301975
Action Type: ENFORCEMENT
Date: 06/28/1996
Action: Notice of Responsibility

LUST:
Global Id: T0607301975
Status: Completed - Case Closed
Status Date: 01/27/2010

Global Id: T0607301975
Status: Open - Case Begin Date
Status Date: 04/12/1996

Global Id: T0607301975
Status: Open - Remediation
Status Date: 06/27/1996

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT19
Local Case: T00299
Substance: Misc. Motor Vehicle Fuels
Qty Leaked: Not reported
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: San Diego
How Found: Not reported
How Stopped: Not reported
Source: Not reported
Cause: Not reported

ARCO (Continued) **S100725892**

Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: / /
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 09/30/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/10/1986
Enforce Date: Not reported
Closed Date: 4/20/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: Not reported
Beneficial Use: NBNB/E
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2279
Local Case: H02375-002
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 09/10/1992
Date Stopped: 09/10/1992
Confirm Date: 10/19/1992
Submit Workplan: 10/20/92
Prelim Assess: 03/31/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/10/1992
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 19’
Beneficial Use: NBNB/E

ARCO (Continued) **S100725892**

NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT3218
Local Case: H02375-004
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Not reported
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 04/12/1996
Date Stopped: 04/12/1996
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 06/13/1996
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/12/1996
Enforce Date: 6/28/96
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 11'+
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H02375-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 11/20/2008
Date Began: 2/12/1992

Case Number: H02375-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**

ARCO (Continued) **S100725892**

Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 1/27/2010
Date Began: 9/10/1992

Case Number: H02375-003
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Remedial Action (Clean-Up)
Date: 5/1/1998
Date Began: 11/22/1994

Case Number: H02375-004
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 1/27/2010
Date Began: 4/12/1996

Case Number: H02375-005
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 1/27/2010
Date Began: 8/7/1998

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/20/2008
Global Id: T0608130078
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02375-001
Latitude: 32.6932588102089
Longitude: -117.14200258255
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT19
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAD000633271
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-233-4400

ARCO (Continued) **S100725892**

Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	03/01/2018
Facility Owner:	Not reported
Facility Mailing Address:	2295 E HARBOR DR, SAN DIEGO, CA 92113-3636
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

UST DTL:

Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102375
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	TESORO LOGISTICS OPERATIONS, LLC
Tankid:	16343
Tank Status:	Removed
Date Ust Permanently Closed:	10/09/1992
Tank Use:	04
Piping System Type:	03
Last Updated:	2018-03-01T02:33:22.000
Tank Capacityin Gallons:	550
Tank Contents:	Not reported
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102375
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	TESORO LOGISTICS OPERATIONS, LLC
Tankid:	16345
Tank Status:	Removed
Date Ust Permanently Closed:	01/22/1994
Tank Use:	01
Piping System Type:	03
Last Updated:	2018-03-01T02:33:22.000
Tank Capacityin Gallons:	550
Tank Contents:	02
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102375
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	TESORO LOGISTICS OPERATIONS, LLC
Tankid:	81229
Tank Status:	Exempt
Date Ust Permanently Closed:	Not reported

ARCO (Continued) **S100725892**

Tank Use:	04
Piping System Type:	03
Last Updated:	2018-03-01T02:33:22.000
Tank Capacityin Gallons:	1500
Tank Contents:	99
Type Of Tank:	04
Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102375
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	TESORO LOGISTICS OPERATIONS, LLC
Tankid:	16347
Tank Status:	Removed
Date Ust Permanently Closed:	11/29/2006
Tank Use:	01
Piping System Type:	02
Last Updated:	2018-03-01T02:33:22.000
Tank Capacityin Gallons:	868
Tank Contents:	Not reported
Type Of Tank:	02
Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102375
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	TESORO LOGISTICS OPERATIONS, LLC
Tankid:	16348
Tank Status:	Removed
Date Ust Permanently Closed:	12/04/1996
Tank Use:	01
Piping System Type:	Not reported
Last Updated:	2018-03-01T02:33:22.000
Tank Capacityin Gallons:	500
Tank Contents:	1A
Type Of Tank:	01
Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102375
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	TESORO LOGISTICS OPERATIONS, LLC
Tankid:	16346
Tank Status:	Closed In Place
Date Ust Permanently Closed:	11/28/1994
Tank Use:	Not reported
Piping System Type:	Not reported
Last Updated:	2018-03-01T02:33:22.000
Tank Capacityin Gallons:	750
Tank Contents:	Not reported
Type Of Tank:	01
Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed

ARCO (Continued) **S100725892**

Active Permit:	Y
Facility Id Number:	37-000-102375
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	TESORO LOGISTICS OPERATIONS, LLC
Tankid:	16342
Tank Status:	Removed
Date Ust Permanently Closed:	10/09/1992
Tank Use:	01
Piping System Type:	03
Last Updated:	2018-03-01T02:33:22.000
Tank Capacityin Gallons:	2000
Tank Contents:	1A
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102375
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	TESORO LOGISTICS OPERATIONS, LLC
Tankid:	16341
Tank Status:	Removed
Date Ust Permanently Closed:	10/09/1992
Tank Use:	01
Piping System Type:	03
Last Updated:	2018-03-01T02:33:22.000
Tank Capacityin Gallons:	10000
Tank Contents:	Diesel
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102375
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	TESORO LOGISTICS OPERATIONS, LLC
Tankid:	16349
Tank Status:	Closed In Place
Date Ust Permanently Closed:	11/29/2006
Tank Use:	01
Piping System Type:	02
Last Updated:	2018-03-01T02:33:22.000
Tank Capacityin Gallons:	1850
Tank Contents:	Not reported
Type Of Tank:	02

Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102375
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	TESORO LOGISTICS OPERATIONS, LLC
Tankid:	16344
Tank Status:	Removed
Date Ust Permanently Closed:	10/09/1992
Tank Use:	01
Piping System Type:	03

ARCO (Continued) **S100725892**

Last Updated: 2018-03-01T02:33:22.000
Tank Capacityin Gallons: 550
Tank Contents: 1A
Type Of Tank: 01

Waste and Materials:
Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171741
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: FUEL ADDITIVE
Common Name: GASOLINE ADDITIVE
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106762
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: NITROGEN GAS
Common Name: NITROGEN GAS
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106763
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: GASOLINE UNLEADED
Common Name: GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106764
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: PROPANE/NITROGEN GAS
Common Name: PROPANE (1.51%) with NITROGEN used for Calibration
Case Number: Not reported

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106765
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-02-02T01:04:00.000

ARCO (Continued) **S100725892**

Chemical Name: MOTOR OIL
Common Name: MOTOR OIL
Case Number: 64742-65-0

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106766
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: TRANSMIX
Common Name: TRANSMIX
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106767
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: Diesel (may include Biodiesel)
Common Name: DIESEL (and BIODIESEL)
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106768
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: ETHYLENE GLYCOL
Common Name: ETHYLENE GLYCOL
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106769
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: ETHYL ALCOHOL- DENATURED
Common Name: ETHANOL
Case Number: 64-17-5

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106770
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: WATER and STORMWATER CONTAMINATED w/GASOLINE, ETHANOL, DIESEL
Common Name: OILY WATER

ARCO (Continued) **S100725892**

Case Number: Not reported

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106771
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: AFFF FIRE FIGHTING FOAM
Common Name: AFFF FIRE FIGHTING FOAM
Case Number: 29385-43-1

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106772
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: FUEL ADDITIVE
Common Name: GASOLINE ADDITIVE
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106773
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-02-02T01:04:00.000
Chemical Name: CARBON
Common Name: CARBON
Case Number: 7440-44-0

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0088050
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-02-02T01:04:04.000
Chemical Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Common Name: ETHYLENE GLYCOL WASTE w/GASOLINE(D001)(D0018)
Case Number: Not reported

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171731
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: NITROGEN GAS
Common Name: NITROGEN GAS
Case Number: 7727-37-9

ARCO (Continued) **S100725892**

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171732
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: GASOLINE UNLEADED
Common Name: GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171733
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: PROPANE/NITROGEN GAS
Common Name: PROPANE (1.51%) with NITROGEN used for Calibration
Case Number: Not reported

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171734
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: MOTOR OIL
Common Name: MOTOR OIL
Case Number: 64742-65-0

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171735
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: TRANSMIX
Common Name: TRANSMIX
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171736
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: Diesel (may include Biodiesel)
Common Name: DIESEL (and BIODIESEL)
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed

ARCO (Continued) **S100725892**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171737
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: ETHYLENE GLYCOL
Common Name: ETHYLENE GLYCOL
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171738
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: ETHYL ALCOHOL- DENATURED
Common Name: ETHANOL
Case Number: 64-17-5

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171739
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: WATER and STORMWATER CONTAMINATED w/GASOLINE, ETHANOL, DIESEL
Common Name: OILY WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0171740
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-01T02:33:21.000
Chemical Name: AFFF FIRE FIGHTING FOAM
Common Name: AFFF FIRE FIGHTING FOAM
Case Number: 29385-43-1

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145827
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-01T02:33:22.000
Chemical Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Common Name: ETHYLENE GLYCOL WASTE w/GASOLINE(D001)(D0018)
Case Number: Not reported

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147131

ARCO (Continued) **S100725892**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-13T02:32:41.000
Chemical Name: NITROGEN GAS
Common Name: NITROGEN GAS
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147132
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-13T02:32:41.000
Chemical Name: GASOLINE UNLEADED
Common Name: GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147133
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-13T02:32:41.000
Chemical Name: PROPANE/NITROGEN GAS
Common Name: PROPANE (1.51%) with NITROGEN used for Calibration
Case Number: Not reported

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147134
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-13T02:32:41.000
Chemical Name: MOTOR OIL
Common Name: MOTOR OIL
Case Number: 64742-65-0

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147135
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-13T02:32:41.000
Chemical Name: TRANSMIX
Common Name: TRANSMIX
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147136
Trade Secret: N
Hazardous Material Type: Mixture

ARCO (Continued) **S100725892**

Last Updated: 2017-09-13T02:32:41.000
Chemical Name: Diesel (may include Biodiesel)
Common Name: DIESEL (and BIODIESEL)
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147137
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-13T02:32:41.000
Chemical Name: ETHYLENE GLYCOL
Common Name: ETHYLENE GLYCOL
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147138
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-13T02:32:41.000
Chemical Name: ETHYL ALCOHOL- DENATURED
Common Name: ETHANOL
Case Number: 64-17-5

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147139
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-13T02:32:41.000
Chemical Name: WATER and STORMWATER CONTAMINATED w/GASOLINE, ETHANOL, DIESEL
Common Name: OILY WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147140
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-13T02:32:41.000
Chemical Name: AFFF FIRE FIGHTING FOAM
Common Name: AFFF FIRE FIGHTING FOAM
Case Number: 29385-43-1

Record ID: DEH2002-HUPFP-102375
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147141
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-13T02:32:41.000
Chemical Name: FUEL ADDITIVE

ARCO (Continued) **S100725892**

Common Name:	GASOLINE ADDITIVE
Case Number:	MIXTURE
Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0147142
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-09-13T02:32:41.000
Chemical Name:	CARBON
Common Name:	CARBON
Case Number:	7440-44-0
Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0125769
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-09-13T02:32:41.000
Chemical Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Common Name:	ETHYLENE GLYCOL WASTE w/GASOLINE(D001)(D0018)
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-102375
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0171742
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-03-01T02:33:21.000
Chemical Name:	CARBON
Common Name:	CARBON
Case Number:	7440-44-0
Permit Number:	102375
Business Type:	6HK78
EPA Id Number:	CAD000633271
APN:	538-770-02-00
Last HMMD Inspection:	10/04/2010
Facility Telephone:	619-233-4400
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BP WEST COAST PRODUCTS, LLC
Facility Mailing Address:	2295 E HARBOR DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92113-3636
UST Owner:	ARCO PETROLEUM PRODUCTS
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

ARCO (Continued) **S100725892**

Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 29385-43-1
Name: AFFF, FIRE FIGHTING FOAM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: BIODIESEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 7440-44-0
Name: CARBON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 68476-30-2
Name: DIESEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 64-17-5
Name: ETHYL ALCOHOL- DENATURED
Other Information: ETHANOL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 102375

ARCO (Continued) **S100725892**

Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	FUEL ADDITIVE
Other Information:	PURADD(BENZENES)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE UNLEADED
Other Information:	TANK 1
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE UNLEADED
Other Information:	TANK 2
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE UNLEADED
Other Information:	TANK 5
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	64742-65-0
Name:	MOTOR OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PRODUCT CONT W/WATER

ARCO (Continued) **S100725892**

Other Information: TANK #9 FUEL/ WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: TOLAD 3512 FUEL ADDITIVE BY BAKER HUGHS
Other Information: CONDUCTIVITY IMPROVER ADDITIVE FOR DIESEL AND BIODIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: MIXTURE
Name: TRANMIX TANK 6
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 133 AQUEOUS SOL'N W/ 10% ORG RESID
Other Information: WATER W/ GAS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: TANK DEBRIS, BLAST MEDIA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: VRU-ETHYLENE GLYCOL W/ETHANOL(D001)(D004)(D0018)
Material Waste: Waste
Hazardous Categories 1: Not reported

ARCO (Continued) **S100725892**

Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV0215
Violation: OIL FILTERS IMPROPERLY MANAGED
Violation Citation: Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV0142
Violation: DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation: TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation: UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity: ACTIVE

ARCO (Continued) **S100725892**

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV3164
Violation: MONITOR EQUIP NOT PER MANUF. SPECS
Violation Citation: All monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer instructions. 2638(a), 2641(j)
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 04/09/2003
Violation Code: 6HV3110
Violation: NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation: Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 102375 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: Not reported
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1992-10-09 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: Not reported
Delivery System: GRAVITY
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 102375 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: Not reported
Capacity Gallons: 2000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1992-10-09 00:00:00
Year Installed: 1969-01-01 00:00:00
Pipe Type: SINGLE WALL

ARCO (Continued) **S100725892**

Delivery System: GRAVITY
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102375 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: GASOLINE & WATER
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: GASOLINE & WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1992-10-09 00:00:00
Year Installed: 1969-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: GRAVITY
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102375 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: WATER DRAW
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1992-10-09 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: GRAVITY
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102375 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: WASTE WATER
Capacity Gallons: 550
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1994-01-22 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: Not reported
Delivery System: GRAVITY
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102375 T006

ARCO (Continued) **S100725892**

Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL
Additional Id:	56
Capacity Gallons:	750
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	CLOSED
Remove Close Date:	1994-11-28 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 102375 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	DOUBLE WALL
Additional Id:	NT1806 PUMPBACK(MISC.FUEL PRODUCTS)/AT5270
Capacity Gallons:	868
UST Contents:	Not reported
Other Content Info:	PUMPBACK(MISC.FUEL PRODUCTS)
Reg Status:	REMOVED
Remove Close Date:	2006-11-29 00:00:00
Year Installed:	1994-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	16
UST Monitor Method:	DW TANK SW SUCTION PIPE: CONTINUOUS INTERSTITIAL MONITOR, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 102375 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL
Additional Id:	NT1861
Capacity Gallons:	500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1996-12-04 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 102375 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	DOUBLE WALL
Additional Id:	NT1861 VAPOR RECOVERY/AT5270
Capacity Gallons:	1850
UST Contents:	Not reported

ARCO (Continued) **S100725892**

Other Content Info:	GASOLINE(TYPE UNKNOWN)
Reg Status:	CLOSED
Remove Close Date:	2006-11-29 00:00:00
Year Installed:	1996-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	16
UST Monitor Method:	DW TANK SW SUCTION PIPE: CONTINUOUS INTERSTITIAL MONITOR, PIPE TEST TRIENNIALLY
UST Name:	UNDERGROUND TANK 102375 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL WITH INTERNAL BLAD
Additional Id:	STORM WATER /EMERGENCY CONTAINMENT
Capacity Gallons:	1500
UST Contents:	OTHER
Other Content Info:	WASTE WATER (FUEL & WATER)
Reg Status:	DEFICIENT
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	UNKNOWN
Delivery System:	GRAVITY
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED
Permit Number:	102375
Business Type:	6HK78
EPA Id Number:	CAD000633271
APN:	538-770-02-00
Last HMMD Inspection:	10/04/2010
Facility Telephone:	619-233-4400
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BP WEST COAST PRODUCTS, LLC
Facility Mailing Address:	2295 E HARBOR DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92113-3636
UST Owner:	ARCO PETROLEUM PRODUCTS
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	N
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	102375
Update Date:	11/02/2012
Case Number:	29385-43-1
Name:	AFFF, FIRE FIGHTING FOAM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

ARCO (Continued) **S100725892**

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: BIODIESEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 7440-44-0
Name: CARBON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 68476-30-2
Name: DIESEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 64-17-5
Name: ETHYL ALCOHOL- DENATURED
Other Information: ETHANOL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: MIXTURE
Name: FUEL ADDITIVE
Other Information: PURADD(BENZENES)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 8006-61-9

ARCO (Continued) **S100725892**

Name: GASOLINE UNLEADED
Other Information: TANK 1
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: GASOLINE UNLEADED
Other Information: TANK 2
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: GASOLINE UNLEADED
Other Information: TANK 5
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 64742-65-0
Name: MOTOR OIL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: PRODUCT CONT W/WATER
Other Information: TANK #9 FUEL/ WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material

ARCO (Continued) **S100725892**

Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: TOLAD 3512 FUEL ADDITIVE BY BAKER HUGHS
Other Information: CONDUCTIVITY IMPROVER ADDITIVE FOR DIESEL AND BIODIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: MIXTURE
Name: TRANMIX TANK 6
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 133 AQUEOUS SOL'N W/ 10% ORG RESID
Other Information: WATER W/ GAS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: TANK DEBRIS, BLAST MEDIA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: VRU-ETHYLENE GLYCOL W/ETHANOL(D001)(D004)(D0018)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

ARCO (Continued) **S100725892**

Violations Active Permits:

Permit Number:	102375
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Permit Number:	102375
Update Date:	11/02/2012
Inspection Date:	05/31/2005
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	102375
Update Date:	11/02/2012
Inspection Date:	11/01/2006
Violation Code:	6HV0142
Violation:	DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation:	TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity:	ACTIVE
Permit Number:	102375
Update Date:	11/02/2012
Inspection Date:	11/01/2006
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	102375
Update Date:	11/02/2012
Inspection Date:	11/01/2006
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Permit Number:	102375
Update Date:	11/02/2012
Inspection Date:	11/01/2006
Violation Code:	6HV3164
Violation:	MONITOR EQUIP NOT PER MANUF. SPECS
Violation Citation:	All monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer instructions. 2638(a), 2641(j)
Activity:	ACTIVE
Permit Number:	102375

ARCO (Continued) **S100725892**

Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 04/09/2003
Violation Code: 6HV3110
Violation: NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation: Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 102375 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: Not reported
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1992-10-09 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: Not reported
Delivery System: GRAVITY
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 102375 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: Not reported
Capacity Gallons: 2000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1992-10-09 00:00:00
Year Installed: 1969-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: GRAVITY
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102375 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: GASOLINE & WATER

ARCO (Continued) **S100725892**

Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-10-09 00:00:00
Year Installed:	1969-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102375 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL
Additional Id:	WATER DRAW
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-10-09 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102375 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL
Additional Id:	WASTE WATER
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1994-01-22 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	GRAVITY
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102375 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL
Additional Id:	56
Capacity Gallons:	750
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	CLOSED
Remove Close Date:	1994-11-28 00:00:00
Year Installed:	Not reported

ARCO (Continued) **S100725892**

Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 102375 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	DOUBLE WALL
Additional Id:	NT1806 PUMPBACK(MISC.FUEL PRODUCTS)/AT5270
Capacity Gallons:	868
UST Contents:	Not reported
Other Content Info:	PUMPBACK(MISC.FUEL PRODUCTS)
Reg Status:	REMOVED
Remove Close Date:	2006-11-29 00:00:00
Year Installed:	1994-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	16
UST Monitor Method:	DW TANK SW SUCTION PIPE: CONTINUOUS INTERSTITIAL MONITOR, PIPE TEST TRIENNIALLY
UST Name:	UNDERGROUND TANK 102375 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL
Additional Id:	NT1861
Capacity Gallons:	500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1996-12-04 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 102375 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	DOUBLE WALL
Additional Id:	NT1861 VAPOR RECOVERY/AT5270
Capacity Gallons:	1850
UST Contents:	Not reported
Other Content Info:	GASOLINE(TYPE UNKNOWN)
Reg Status:	CLOSED
Remove Close Date:	2006-11-29 00:00:00
Year Installed:	1996-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	16
UST Monitor Method:	DW TANK SW SUCTION PIPE: CONTINUOUS INTERSTITIAL MONITOR, PIPE TEST TRIENNIALLY

ARCO (Continued) **S100725892**

UST Name:	UNDERGROUND TANK 102375 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL WITH INTERNAL BLAD
Additional Id:	STORM WATER /EMERGENCY CONTAINMENT
Capacity Gallons:	1500
UST Contents:	OTHER
Other Content Info:	WASTE WATER (FUEL & WATER)
Reg Status:	DEFICIENT
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	UNKNOWN
Delivery System:	GRAVITY
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

Permit Number:	102375
Business Type:	6HK78
EPA Id Number:	CAD000633271
APN:	538-770-02-00
Last HMMD Inspection:	10/04/2010
Facility Telephone:	619-233-4400
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BP WEST COAST PRODUCTS, LLC
Facility Mailing Address:	2295 E HARBOR DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92113-3636
UST Owner:	ARCO PETROLEUM PRODUCTS
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	102375
Update Date:	11/02/2012
Case Number:	29385-43-1
Name:	AFFF, FIRE FIGHTING FOAM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	102375
Update Date:	11/02/2012
Case Number:	Not reported
Name:	BIODIESEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

ARCO (Continued) **S100725892**

Permit Number:	102375
Update Date:	11/02/2012
Case Number:	7440-44-0
Name:	CARBON
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	102375
Update Date:	11/02/2012
Case Number:	68476-30-2
Name:	DIESEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	102375
Update Date:	11/02/2012
Case Number:	64-17-5
Name:	ETHYL ALCOHOL- DENATURED
Other Information:	ETHANOL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	102375
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	102375
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	FUEL ADDITIVE
Other Information:	PURADD(BENZENES)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	102375
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE UNLEADED
Other Information:	TANK 1
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE

Permit Number:	102375
Update Date:	11/02/2012
Case Number:	8006-61-9

ARCO (Continued) **S100725892**

Name:	GASOLINE UNLEADED
Other Information:	TANK 2
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE UNLEADED
Other Information:	TANK 5
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	64742-65-0
Name:	MOTOR OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PRODUCT CONT W/WATER
Other Information:	TANK #9 FUEL/ WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	102375
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TOLAD 3512 FUEL ADDITIVE BY BAKER HUGHS
Other Information:	CONDUCTIVITY IMPROVER ADDITIVE FOR DIESEL AND BIODIESEL
Material Waste:	Material

ARCO (Continued) **S100725892**

Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: MIXTURE
Name: TRANMIX TANK 6
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 133 AQUEOUS SOL'N W/ 10% ORG RESID
Other Information: WATER W/ GAS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: TANK DEBRIS, BLAST MEDIA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: VRU-ETHYLENE GLYCOL W/ETHANOL(D001)(D004)(D0018)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102375
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV0215
Violation: OIL FILTERS IMPROPERLY MANAGED
Violation Citation: Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity: ACTIVE

ARCO (Continued) **S100725892**

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 05/31/2005
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV0142
Violation: DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation: TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation: UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV3164
Violation: MONITOR EQUIP NOT PER MANUF. SPECS
Violation Citation: All monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer instructions. 2638(a), 2641(j)
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012
Inspection Date: 11/01/2006
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 102375
Update Date: 11/02/2012

ARCO (Continued) **S100725892**

Inspection Date: 04/09/2003
Violation Code: 6HV3110
Violation: NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation: Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 102375 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: Not reported
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1992-10-09 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: Not reported
Delivery System: GRAVITY
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 102375 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: Not reported
Capacity Gallons: 2000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1992-10-09 00:00:00
Year Installed: 1969-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: GRAVITY
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102375 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 102375
Tank Type: SINGLE WALL
Additional Id: GASOLINE & WATER
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: GASOLINE & WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1992-10-09 00:00:00
Year Installed: 1969-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: GRAVITY
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR

ARCO (Continued) **S100725892**

WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 102375 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL
Additional Id:	WATER DRAW
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-10-09 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 102375 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL
Additional Id:	WASTE WATER
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1994-01-22 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	GRAVITY
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 102375 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL
Additional Id:	56
Capacity Gallons:	750
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	CLOSED
Remove Close Date:	1994-11-28 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 102375 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	DOUBLE WALL

ARCO (Continued) **S100725892**

Additional Id:	NT1806 PUMPBACK(MISC.FUEL PRODUCTS)/AT5270
Capacity Gallons:	868
UST Contents:	Not reported
Other Content Info:	PUMPBACK(MISC.FUEL PRODUCTS)
Reg Status:	REMOVED
Remove Close Date:	2006-11-29 00:00:00
Year Installed:	1994-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	16
UST Monitor Method:	DW TANK SW SUCTION PIPE: CONTINUOUS INTERSTITIAL MONITOR, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 102375 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL
Additional Id:	NT1861
Capacity Gallons:	500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1996-12-04 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 102375 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	DOUBLE WALL
Additional Id:	NT1861 VAPOR RECOVERY/AT5270
Capacity Gallons:	1850
UST Contents:	Not reported
Other Content Info:	GASOLINE(TYPE UNKNOWN)
Reg Status:	CLOSED
Remove Close Date:	2006-11-29 00:00:00
Year Installed:	1996-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	16
UST Monitor Method:	DW TANK SW SUCTION PIPE: CONTINUOUS INTERSTITIAL MONITOR, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 102375 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	102375
Tank Type:	SINGLE WALL WITH INTERNAL BLAD
Additional Id:	STORM WATER /EMERGENCY CONTAINMENT
Capacity Gallons:	1500
UST Contents:	OTHER
Other Content Info:	WASTE WATER (FUEL & WATER)
Reg Status:	DEFICIENT
Remove Close Date:	Not reported

ARCO (Continued) **S100725892**

Year Installed:	Not reported
Pipe Type:	UNKNOWN
Delivery System:	GRAVITY
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

SWEEPS UST:

Status:	Active
Comp Number:	2375
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002375-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	5

Status:	Active
Comp Number:	2375
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002375-000002
Tank Status:	A
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2375
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002375-000003
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	OIL
STG:	P
Content:	Not reported

ARCO (Continued) **S100725892**

Number Of Tanks: Not reported

Status: Active
Comp Number: 2375
Number: 9
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002375-000004
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2375
Number: 9
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002375-000005
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

HIST UST:
File Number: 0002F292
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F292.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

ARCO (Continued) **S100725892**

Leak Detection: Not reported

Click here for Geo Tracker PDF:

EMI:

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
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:	25
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

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	21
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

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	22
Reactive Organic Gases Tons/Yr:	22
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

Year: 2000

ARCO (Continued) **S100725892**

County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	22
Reactive Organic Gases Tons/Yr:	22
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

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	22
Reactive Organic Gases Tons/Yr:	22
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

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	22
Reactive Organic Gases Tons/Yr:	22
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

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD

ARCO (Continued) **S100725892**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	21
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

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21.20002278
Reactive Organic Gases Tons/Yr:	21.20002278
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

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21.9
Reactive Organic Gases Tons/Yr:	21.9
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

Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42.27961
Reactive Organic Gases Tons/Yr:	7.98961
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

ARCO (Continued) **S100725892**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2015
County Code: 37
Air Basin: SD
Facility ID: 201
Air District Name: SD
SIC Code: 5171
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 42.27961
Reactive Organic Gases Tons/Yr: 7.98961
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

Year: 2016
County Code: 37
Air Basin: SD
Facility ID: 201
Air District Name: SD
SIC Code: 5171
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 42.27961
Reactive Organic Gases Tons/Yr: 7.98961
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: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

HAZNET:
envid: S100725892
Year: 2016
GEPAID: CAR000267229
Contact: KARINA HANKINS
Telephone: 7145604887
Mailing Name: Not reported
Mailing Address: 1100 TOWN AND COUNTRY RD
Mailing City,St,Zip: ORANGE, CA 92868
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 50.4
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Diego

ARCO (Continued) **S100725892**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT19

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2279

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3218

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3030

NPDES:

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:	9 37I024236
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:	06/22/2015
Operator Name:	Tesoro Logistics Operations LLC
Operator Address:	19100 Ridgewood Parkway
Operator City:	San Antonio
Operator State:	Texas
Operator Zip:	78259

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	437385
Order Number:	Not reported
Regulatory Measure Type:	Industrial

ARCO (Continued) **S100725892**

Place ID:	Not reported
WDID:	9 37I024236
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:	06/22/2015
Processed Date:	05/03/2013
Status:	Active
Status Date:	06/22/2015
Place Size:	146840
Place Size Unit:	SqFt
Contact:	Ruthanne Walker
Contact Title:	Environmental Cooridanator
Contact Phone:	562-806-4105
Contact Phone Ext:	Not reported
Contact Email:	ruthanne.m.walker@tsocorp.com
Operator Name:	Tesoro Logistics Operations LLC
Operator Address:	19100 Ridgewood Parkway
Operator City:	San Antonio
Operator State:	Texas
Operator Zip:	78259
Operator Contact:	Ben Martinez
Operator Contact Title:	Director - Terminal Operations
Operator Contact Phone:	562-806-4184
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	benjamin.j.martinez@tsocorp.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:	210-626-6497
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 Commertial 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

ARCO (Continued) **S100725892**

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 Diego Bay
Certifier:	Benjamin Martinez
Certifier Title:	Director Products Terminals
Certification Date:	22-JUN-15
Primary Sic:	5171-Petroleum Bulk Stations and Terminals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	437385
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37I024236
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/03/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tesoro Logistics Operations LLC
Discharge Address:	19100 Ridgewood Parkway
Discharge City:	San Antonio
Discharge State:	Texas
Discharge Zip:	78259
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

ARCO (Continued) **S100725892**

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 Commertial 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

Facility Status:	Active
NPDES Number:	CAS000001
Region:	9
Agency Number:	0
Regulatory Measure ID:	437385
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37I024236
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/03/2013
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	19100 Ridgewood Parkway
Discharge Name:	Tesoro Logistics Operations LLC
Discharge City:	San Antonio
Discharge State:	Texas
Discharge Zip:	78259
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported

ARCO (Continued) **S100725892**

Operator Zip:	Not reported
NPDES as of 03/2018:	
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	437385
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37I024236
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:	06/22/2015
Processed Date:	05/03/2013
Status:	Active
Status Date:	06/22/2015
Place Size:	146840
Place Size Unit:	SqFt
Contact:	Ruthanne Walker
Contact Title:	Environmental Cooridanator
Contact Phone:	562-806-4105
Contact Phone Ext:	Not reported
Contact Email:	ruthanne.m.walker@tsocorp.com
Operator Name:	Tesoro Logistics Operations LLC
Operator Address:	19100 Ridgewood Parkway
Operator City:	San Antonio
Operator State:	Texas
Operator Zip:	78259
Operator Contact:	Ben Martinez
Operator Contact Title:	Director - Terminal Operations
Operator Contact Phone:	562-806-4184
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	benjamin.j.martinez@tsocorp.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:	210-626-6497
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

ARCO (Continued) **S100725892**

Constype Commertial 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 Diego Bay
Certifier:	Benjamin Martinez
Certifier Title:	Director Products Terminals
Certification Date:	22-JUN-15
Primary Sic:	5171-Petroleum Bulk Stations and Terminals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	437385
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37I024236
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/03/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tesoro Logistics Operations LLC
Discharge Address:	19100 Ridgewood Parkway
Discharge City:	San Antonio
Discharge State:	Texas
Discharge Zip:	78259
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

ARCO (Continued) **S100725892**

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 Commertial 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

SAN DIEGO CO LOP:

Record ID:	DEH1992-LSAM-H02375-002
Record Status:	Completed
Opened Date:	09/10/1992
Parcel Number:	538-770-02-00
Case Type:	LOP - Local Oversight Program
Historical Name:	ARCO 33T BULK TERMINAL
SWRCB Global ID:	T0607301045
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	09/10/1992
Census Tract:	50.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO

ARCO (Continued) **S100725892**

Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1289 D 6
Latitude:	32.6936454
Longitude:	-117.1418300
X MapCoord:	6287285.482
Y MapCoord:	1833334.178
Record ID:	DEH1996-LSAM-H02375-004
Record Status:	Completed
Opened Date:	04/12/1996
Parcel Number:	538-770-02-00
Case Type:	LOP - Local Oversight Program
Historical Name:	ARCO 33T BULK TERMINAL
SWRCB Global ID:	T0607301975
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	06/13/1996
Census Tract:	50.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1289 D 6
Latitude:	32.6936454
Longitude:	-117.1418300
X MapCoord:	6287285.482
Y MapCoord:	1833334.178
Record ID:	DEH1998-LSAM-H02375-005
Record Status:	Completed
Opened Date:	08/17/1998
Parcel Number:	538-770-02-00
Case Type:	LOP - Local Oversight Program
Historical Name:	ARCO 33T BULK TERMINAL
SWRCB Global ID:	T0607399202
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	08/09/1998
Census Tract:	50.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1289 D 6
Latitude:	32.6936454
Longitude:	-117.1418300
X MapCoord:	6287285.482
Y MapCoord:	1833334.178
Record ID:	DEH1995-LSAM-H02375-003
Record Status:	Open
Opened Date:	01/05/1995
Parcel Number:	538-770-02-00
Case Type:	LOP - Local Oversight Program
Historical Name:	ARCO 33T BULK TERMINAL

ARCO (Continued) **S100725892**

SWRCB Global ID:	T0607301799
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	01/05/1995
Census Tract:	50.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1289 D 6
Latitude:	32.6936454
Longitude:	-117.1418300
X MapCoord:	6287285.482
Y MapCoord:	1833334.178

CIWQS:

Agency:	Tesoro Logistics Operations LLC
Agency Address:	19100 Ridgewood Parkway, San Antonio, TX 78259
Place/Project Type:	Industrial - Petroleum Bulk Stations and Terminals
SIC/NAICS:	5171
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I024236
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	05/03/2013
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:	32.69362
Longitude:	-117.14098

G177 **ARCO SAN DIEGO TERMINAL** **CA HIST UST** **U001560576**
ENE **2295 HARBOR DR** **CA EMI** **N/A**
< 1/8 **SAN DIEGO, CA 90014**
0.110 mi.
580 ft. **Site 11 of 11 in cluster G**

Relative:
Higher

Actual:
32 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000004638
Facility Type:	Other
Other Type:	PIPELINE CO.
Contact Name:	E. W. HALE
Telephone:	6192836511
Owner Name:	SAN DIEGO PIPELINE COMPANY

ARCO SAN DIEGO TERMINAL (Continued) **U001560576**

Owner Address:	610 SOUTH MAIN STREET
Owner City,St,Zip:	LOS ANGELES, CA 90014
Total Tanks:	0001
Tank Num:	001
Container Num:	RELIEF TAN
Year Installed:	1973
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19.95
Reactive Organic Gases Tons/Yr:	19.95
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

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11.2
Reactive Organic Gases Tons/Yr:	11.2
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

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

ARCO SAN DIEGO TERMINAL (Continued) **U001560576**

Total Organic Hydrocarbon Gases Tons/Yr:	15.1
Reactive Organic Gases Tons/Yr:	10.4
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 Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.190000000000001
Reactive Organic Gases Tons/Yr:	9.4700000000000006
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

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.93
Reactive Organic Gases Tons/Yr:	10.789999999999999
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

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.98
Reactive Organic Gases Tons/Yr:	10.83
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

ARCO SAN DIEGO TERMINAL (Continued) **U001560576**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.98
Reactive Organic Gases Tons/Yr:	10.83
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

Year:	2013
County Code:	37
Air Basin:	SD
Facility ID:	201
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.98
Reactive Organic Gases Tons/Yr:	10.83
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

---

178 **PACIFIC TREATMENT** **TX Ind. Haz Waste** **S102746289**
NNE **2190 MAIN ST** **N/A**
1/8-1/4 **SAN DIEGO, CA 92113**
0.210 mi.
1110 ft.

Relative: **Higher**

Actual: **45 ft.**

Ind. Haz Waste:

Registration Number:	40957
Registration Initial Notification Date:	09/12/1986
Registration Last Amendment Date:	10/23/2003
EPA Identification:	CAD095894556
Primary NAICS Code:	484121
Status Change Date:	19860912
Land Type:	Not reported
Description of Facility Site Location:	Not reported
Site Primary Standard Industrial Code:	Not reported
Site Primary SIC Description:	Not reported
Registration is Generator of Waste:	No
Registration is Receivers of Waste:	No
Registration is Transporter of Waste:	Yes
Registration is Transfer Facility:	No
Facility is STEERS Reporter:	No

PACIFIC TREATMENT (Continued) **S102746289**

Reqired to Submit Annual Waste Summary: No
Facility Involved In Recycling: No
Revcr Has Monthly Reporting Requirement: 0
Mexican Facility: Not reported
Type of Generator: Not reported
TNRCC Region: Not reported
Company Name: PACIFIC TREATMENT CORP
Contact Name: MICHAEL H DONLEY
Contact Telephone Number: 619-2330424
Mailing Address: 2190 MAIN ST
Mailing Address2: Not reported
Mailing City,St,Zip: SAN DIEGO, CA 921132218
Mailing County: UNITED STATES
Facility Country: UNITED STATES
TNRCC Facility ID: 17358
Site Owner Tax ID: 0
Site Location Latitude: -00.000
Site Location Longitude: -000.000
Last Update to NOR Data: 20040519
Ind. waste permit Number: Not reported
Mun waste permit Number: Not reported
Non Notifier: No

Business Records Not Found for this RegNo/Year:

Owner:
Owner Mailing Address: PO BOX 13626
Owner Mailing Address2: Not reported
Owner Mailing Address3: Not reported
Owner City,St,Zip: SAN DIEGO, CA 92170 3626
Owner Country: UNITED STA
Owner Phone Number: 1-619-2330424
Owner Fax Number: Not reported
Owner Email Address: Not reported
Owner Business Type: Unknown
Owner Tax Id: Not reported
Owner Bankruptcy Code: Not reported

Operator:
Operator Last Name: PACIFIC TREATMENT CORP
Operator First Name: Not reported
Operator Name: PACIFIC TREATMENT CORP
Operator Mailing Address: PO BOX 13626
Operator Mailing Address 2: Not reported
Operator Mailing City,St,Zip: SAN DIEGO, CA 92170 3626
Operator Country: UNITED STA
Operator Phone: 1-619-2330424
Operator Fax: Not reported
Operator Email: Not reported
Operator Business Type: Unknown
Operator Tax Id: Not reported
Operator Bankruptcy Code: Not reported

Contact:
Contact Name: Not reported
Contact Title: Not reported
Contact Role: OWNCON
Contact Address: PO BOX 13626
Contact Address2: Not reported

PACIFIC TREATMENT (Continued) **S102746289**

Conact City,St,Zip:	SAN DIEGO, CA 92170 3626
Contact Phone:	1-619-2330424
Contact Fax:	Not reported
Contact Email:	Not reported

Contact:

Contact Name:	MICHAEL DONLEY
Contact Title:	ENV MGR
Contact Role:	PRICONT
Contact Address:	2190 MAINST
Contact Address2:	Not reported
Conact City,St,Zip:	SAN DIEGO, CA 92113 2218
Contact Phone:	1-619-2330424
Contact Fax:	Not reported
Contact Email:	Not reported

Contact:

Contact Name:	Not reported
Contact Title:	Not reported
Contact Role:	OPRCON
Contact Address:	PO BOX 13626
Contact Address2:	Not reported
Conact City,St,Zip:	SAN DIEGO, CA 92170 3626
Contact Phone:	1-619-2330424
Contact Fax:	Not reported
Contact Email:	Not reported

Unit Records Not Found for this RegNo/Year:

One Time Shipper Records Not Found for this RegNo/Year:

Receiver Type:	Not reported
Transporter for hire:	1
Transport own waste:	0
Eq 01, if transport waste type = 1:	Not reported
Eq 02, if transport waste type = 2:	Not reported
Eq 03, if transport waste type = 3:	Not reported
Eq 04, if transport waste type = H:	Not reported
Target TCEQ unique facid for discarded(merged) facility:	Not reported

Waste Records Not Found for this RegNo/Year:

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN DIEGO	S108407052	FORMER UNOCAL PIPELINE	CROSBY & BAY FRONT	92113	CA SAN DIEGO CO. SAM
SAN DIEGO	S108407255	SOUTHWEST MARINE INC	SAMPSON ST (FOOT OF)	92113	CA SAN DIEGO CO. SAM

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

Federal NPL site list

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: 11/14/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 11/27/2018
Next Scheduled EDR Contact: 01/14/2019
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: 11/14/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 11/27/2018
Next Scheduled EDR Contact: 01/14/2019
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.

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

Federal Delisted NPL site list

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: 11/14/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 11/27/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
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: 11/14/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/27/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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: 11/14/2018
Date Data Arrived at EDR: 11/28/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/28/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 01/07/2019
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: 10/17/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 43

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 02/25/2019
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: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/28/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/28/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

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: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

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: 10/29/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/30/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes 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: 10/29/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/30/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/12/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 29

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 02/25/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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: 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.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/08/2018
Number of Days to Update: 26

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

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 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

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: Quarterly

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 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: 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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

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: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

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: Quarterly

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: Semi-Annually

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: Varies

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: Semi-Annually

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: Semi-Annually

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: Semi-Annually

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: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/10/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 21
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Semi-Annually

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.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
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: 10/29/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/30/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds 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: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 10/15/2018
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
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: 09/18/2018
Date Data Arrived at EDR: 09/18/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/18/2018
Next Scheduled EDR Contact: 12/31/2018
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.

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: 10/25/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/15/2018
Number of Days to Update: 33

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 09/28/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 02/25/2019
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: 10/25/2018
Next Scheduled EDR Contact: 02/11/2019
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: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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 Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/02/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Varies

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: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/26/2018
Next Scheduled EDR Contact: 03/11/2019
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: 10/29/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 44
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/30/2018
Next Scheduled EDR Contact: 02/11/2019
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: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/01/2018
Next Scheduled EDR Contact: 01/21/2019
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.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/23/2018
Next Scheduled EDR Contact: 02/04/2019
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: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/26/2018
Next Scheduled EDR Contact: 03/11/2019
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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/28/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 46

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/26/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Annually

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: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 11/01/2018
Next Scheduled EDR Contact: 02/18/2019
Data Release Frequency: Varies

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: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/23/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Quarterly

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

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: 08/29/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 10/01/2018
Number of Days to Update: 32

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
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: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/27/2018
Next Scheduled EDR Contact: 02/04/2019
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: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/02/2018
Number of Days to Update: 27

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
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: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

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: 04/06/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 51

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/08/2018
Number of Days to Update: 26

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 01/07/2019
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.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
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: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/12/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/12/2018
Next Scheduled EDR Contact: 01/21/2019
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: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/16/2018
Next Scheduled EDR Contact: 02/25/2019
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: 08/31/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
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.

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: 11/05/2018
Next Scheduled EDR Contact: 02/18/2019
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: 11/09/2018
Next Scheduled EDR Contact: 02/18/2019
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: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/21/2018
Next Scheduled EDR Contact: 12/31/2018
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: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/16/2018
Next Scheduled EDR Contact: 03/04/2019
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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/24/2018
Next Scheduled EDR Contact: 02/04/2019
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: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 43

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 11/27/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Annually

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: 08/01/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/23/2018
Next Scheduled EDR Contact: 02/04/2019
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
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: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 36
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 02/18/2019
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: 09/14/2018
Date Data Arrived at EDR: 10/11/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 57
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/11/2018
Next Scheduled EDR Contact: 01/21/2019
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
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/11/2018
Next Scheduled EDR Contact: 02/04/2019
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: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 03/18/2019
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: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
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.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/03/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 37
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/03/2018
Next Scheduled EDR Contact: 01/14/2019
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 Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/30/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Varies

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: 09/30/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 12/31/2018
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/21/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Biennially

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
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/01/2018
Next Scheduled EDR Contact: 02/18/2019
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/16/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/27/2018
Next Scheduled EDR Contact: 01/14/2019
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 1931and 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
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
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.

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: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Semi-Annually

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: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
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: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
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.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/06/2018
Next Scheduled EDR Contact: 03/25/2019
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: 08/07/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 30

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/31/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
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: 08/22/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 44
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
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: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 10/16/2018
Number of Days to Update: 21
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
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: 08/28/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 63
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 12/06/2018
Next Scheduled EDR Contact: 02/25/2019
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 7
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 11/01/2018
Next Scheduled EDR Contact: 02/18/2019
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: 10/15/2018
Date Data Arrived at EDR: 10/16/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 31

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

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: 10/04/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 27

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/26/2018
Next Scheduled EDR Contact: 03/11/2019
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.

Date of Government Version: 08/30/2018
Date Data Arrived at EDR: 09/27/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 35

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/21/2018
Next Scheduled EDR Contact: 12/31/2018
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: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/01/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 10/19/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 25

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/07/2018
Next Scheduled EDR Contact: 02/25/2019
Data Release Frequency: Varies

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: 12/31/2017
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/10/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Quarterly

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 [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
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: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
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: 10/09/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/10/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 08/28/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 28
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/12/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 29
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 02/25/2019
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: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 28
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/15/2018
Number of Days to Update: 33
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 09/19/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/19/2018
Number of Days to Update: 29
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 12/24/2018
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: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/12/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Quarterly

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: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/23/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Varies

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: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/02/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 12/04/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/09/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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.

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: 10/05/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 22

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/05/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 23

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
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: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 10/31/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 02/18/2019
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: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/29/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 08/16/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 8

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/25/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/18/2018
Number of Days to Update: 13

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 11/16/2018
Next Scheduled EDR Contact: 02/11/2019
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: 10/16/2018
Date Data Arrived at EDR: 10/18/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 27

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/14/2019
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: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 40

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 20

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/20/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 49

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/01/2018
Next Scheduled EDR Contact: 02/18/2019
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: 11/21/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 15

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 10/15/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 22

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

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: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/20/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 35

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/15/2018
Date Data Arrived at EDR: 10/16/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 31

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/16/2018
Next Scheduled EDR Contact: 01/28/2019
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: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
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: 07/01/2018
Date Data Arrived at EDR: 10/16/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 31

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/16/2018
Next Scheduled EDR Contact: 01/28/2019
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
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Semi-Annually

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: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 28

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
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: 11/26/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/12/2018
Number of Days to Update: 15

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
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
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 07/18/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 12/06/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/29/2018
Date Data Arrived at EDR: 11/01/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 15

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
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: 11/21/2018
Next Scheduled EDR Contact: 03/11/2019
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: 08/27/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 36

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/26/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/06/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/25/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 29

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2018
Next Scheduled EDR Contact: 02/18/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 29

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2018
Next Scheduled EDR Contact: 02/18/2019
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/06/2018
Next Scheduled EDR Contact: 02/18/2019
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: 09/04/2018
Date Data Arrived at EDR: 09/06/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 27

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 10/16/2018
Number of Days to Update: 4

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 11/05/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
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: 08/03/2018
Date Data Arrived at EDR: 10/02/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 30

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2018
Next Scheduled EDR Contact: 01/14/2019
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: 08/23/2018
Date Data Arrived at EDR: 10/02/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 31

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 02/18/2019
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.

Date of Government Version: 07/27/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/05/2018
Next Scheduled EDR Contact: 02/18/2019
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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite 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: 11/01/2018
Next Scheduled EDR Contact: 02/18/2019
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 09/17/2018
Date Data Arrived at EDR: 09/18/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 15

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/01/2018
Next Scheduled EDR Contact: 02/18/2019
Data Release Frequency: Quarterly

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: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/14/2018
Date Data Arrived at EDR: 11/15/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 09/18/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 42

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
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: 09/18/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/17/2018
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
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: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/16/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
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: 11/21/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 36

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/01/2018
Next Scheduled EDR Contact: 02/18/2019
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

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: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
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: 11/14/2018
Next Scheduled EDR Contact: 03/04/2019
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: 08/29/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 10/17/2018
Number of Days to Update: 43

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 10/18/2018
Number of Days to Update: 44

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 10/16/2018
Number of Days to Update: 21

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
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: 10/02/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 8

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 09/18/2018
Date Data Arrived at EDR: 09/20/2018
Date Made Active in Reports: 10/25/2018
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 02/18/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 09/13/2018
Date Data Arrived at EDR: 09/14/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 5

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/29/2018
Next Scheduled EDR Contact: 02/18/2019
Data Release Frequency: Varies

TUOLUMNE COUNTY:

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: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 09/26/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 36

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Annually

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: 11/07/2018
Next Scheduled EDR Contact: 02/25/2019
Data Release Frequency: Quarterly

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: 09/25/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 36
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 09/04/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/04/2018
Number of Days to Update: 22
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 10/15/2018
Date Data Arrived at EDR: 10/19/2018
Date Made Active in Reports: 11/05/2018
Number of Days to Update: 17
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 7
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/25/2018
Next Scheduled EDR Contact: 02/11/2019
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: 11/12/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/04/2018
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 02/25/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
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: 07/01/2018
Date Data Arrived at EDR: 08/01/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/31/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/16/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/07/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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.

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 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BAE WATERFRONT IMPROVEMENT PROJECT
2205 EAST BELT STREET
SAN DIEGO, CA 92113

TARGET PROPERTY COORDINATES

Latitude (North):	32.69312 - 32° 41' 35.23''
Longitude (West):	117.14403 - 117° 8' 38.51''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	486498.6
UTM Y (Meters):	3617086.0
Elevation:	18 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5622832 POINT LOMA, CA
Version Date:	2012
East Map:	5629176 NATIONAL CITY, CA
Version Date:	2012

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).

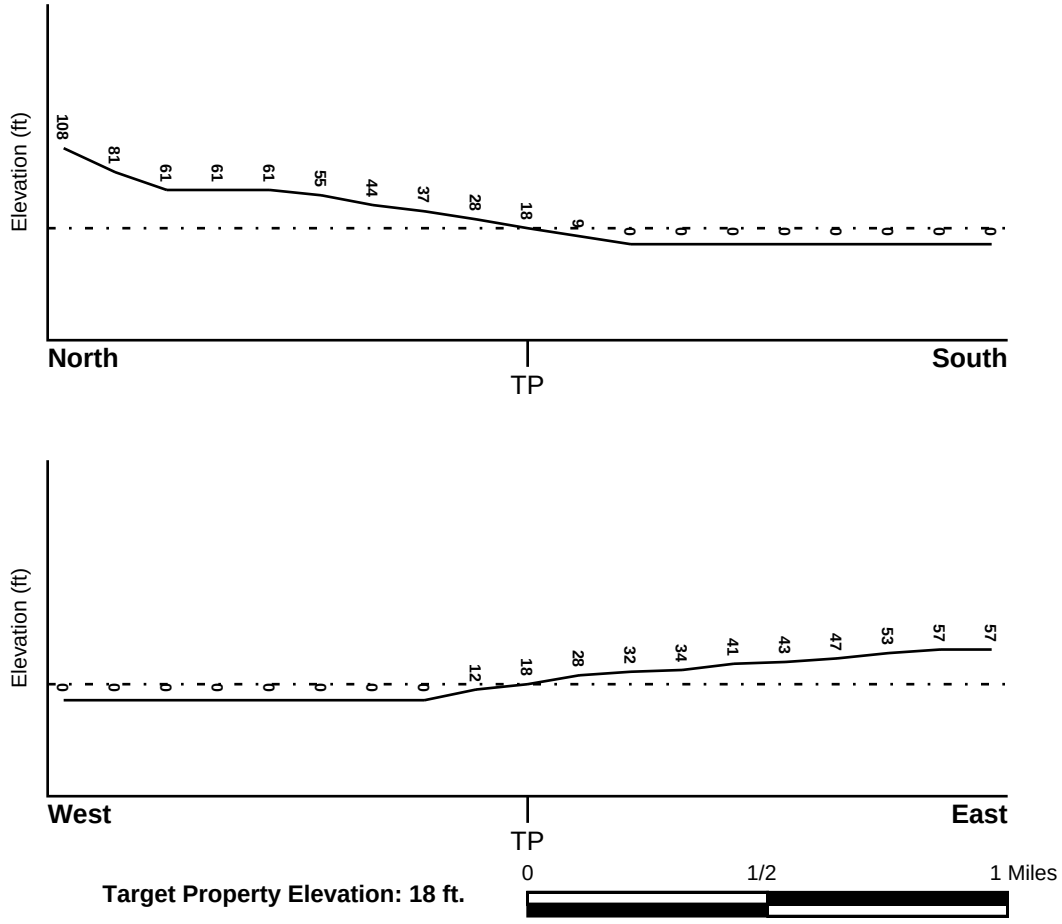
TOPOGRAPHIC INFORMATION

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 SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 18 ft.

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

Flood Plain Panel at Target Property	FEMA Source Type
06073C1885G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06073C1891G	FEMA FIRM Flood data
06073C1892G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
POINT LOMA	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
Location Relative to TP:	1 - 2 Miles ESE
Site Name:	SAN DIEGO NAVAL STATION
Site EPA ID Number:	CA4170090233
Groundwater Flow Direction:	TOWARD AND INTO SAN DIEGO BAY AND PALETA CREEK.
Measured Depth to Water:	approximately 10 feet.
Hydraulic Connection:	The near-surface aquifer is not hydraulically connected to the deeper, usable aquifer. The near-surface aquifer is impacted by salt-water intrusion.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/8 - 1/4 Mile NNW	WSW
A2	1/4 - 1/2 Mile ENE	Not Reported
A3	1/4 - 1/2 Mile ENE	Not Reported
4	1/4 - 1/2 Mile North	S
5	1/4 - 1/2 Mile NE	Not Reported
6	1/4 - 1/2 Mile NNW	ENE
B7	1/4 - 1/2 Mile East	SW
8	1/4 - 1/2 Mile North	NW
9	1/4 - 1/2 Mile NE	SW
B10	1/4 - 1/2 Mile East	WSW
11	1/2 - 1 Mile East	SSW
12	1/2 - 1 Mile ENE	Not Reported
13	1/2 - 1 Mile NNW	SW
14	1/2 - 1 Mile ESE	E
1G	1/2 - 1 Mile NNW	SW
2G	1/4 - 1/2 Mile North	NW
3G	1/4 - 1/2 Mile North	S
4G	1/4 - 1/2 Mile NNW	ENE
5G	1/4 - 1/2 Mile NE	Not Reported
6G	1/4 - 1/2 Mile NE	SW
7G	1/2 - 1 Mile ENE	Not Reported
8G	1/8 - 1/4 Mile NNW	WSW
9G	1/4 - 1/2 Mile ENE	Not Reported
10G	1/2 - 1 Mile East	SSW
11G	1/4 - 1/2 Mile ENE	Not Reported
12G	1/4 - 1/2 Mile East	SW
13G	1/4 - 1/2 Mile East	WSW
14G	1/2 - 1 Mile ESE	E

For additional site information, refer to Physical Setting Source Map Findings.

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

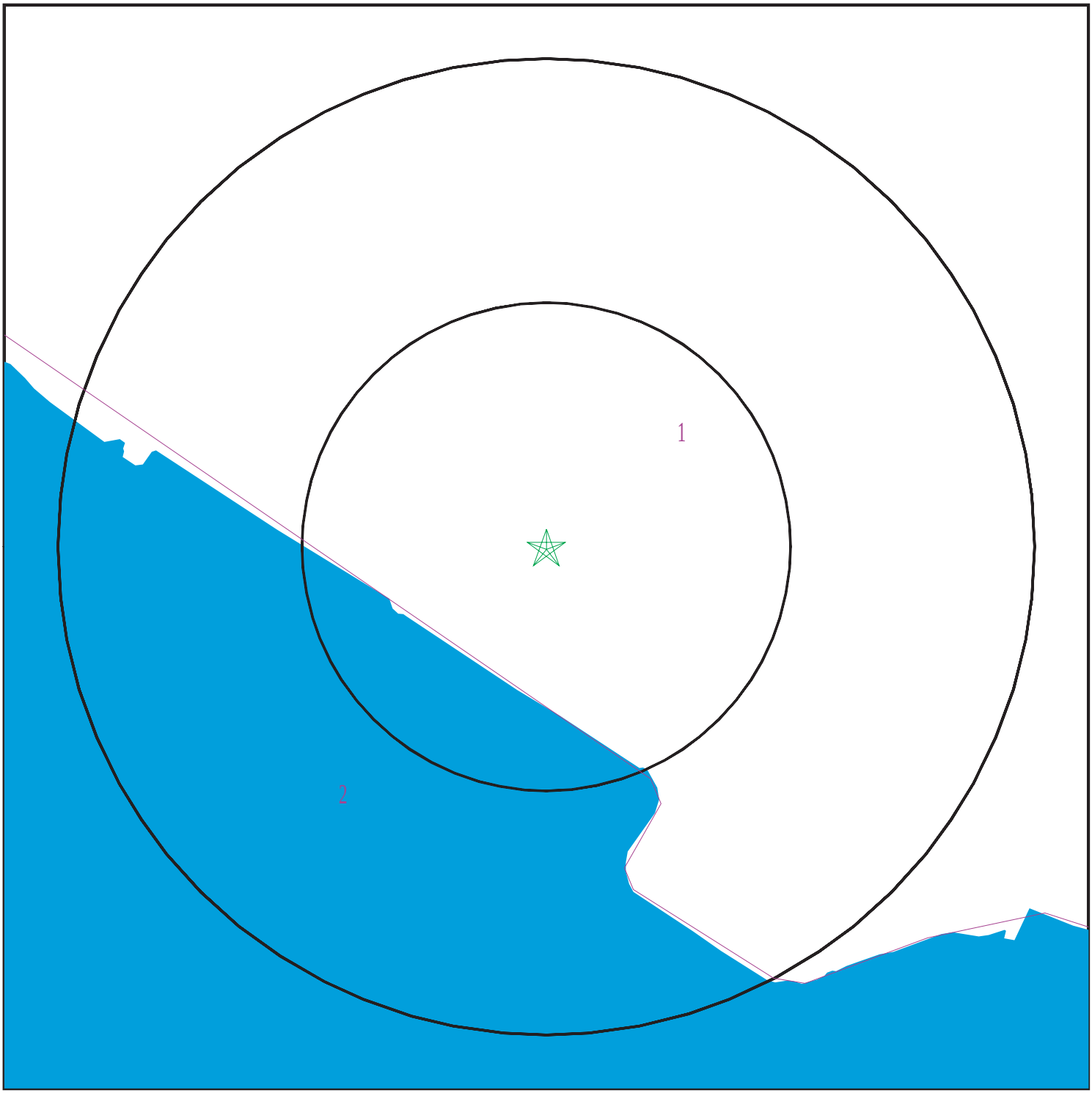
Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tp *(decoded above as Era, System & Series)*

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 - 5512078.2s



SITE NAME:	BAE Waterfront Improvement Project	CLIENT:	Ninyo & Moore
ADDRESS:	2205 East Belt Street San Diego CA 92113	CONTACT:	Lisa Bestard
		INQUIRY #:	5512078.2s
LAT/LONG:	32.69312 / 117.14403	DATE:	December 14, 2018 2:42 pm

Copyright © 2018 EDR, Inc. © 2015 TomTom Rel. 2015.

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: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

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

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: variable

Hydrologic Group: Not reported

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	0.125
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	0.125

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

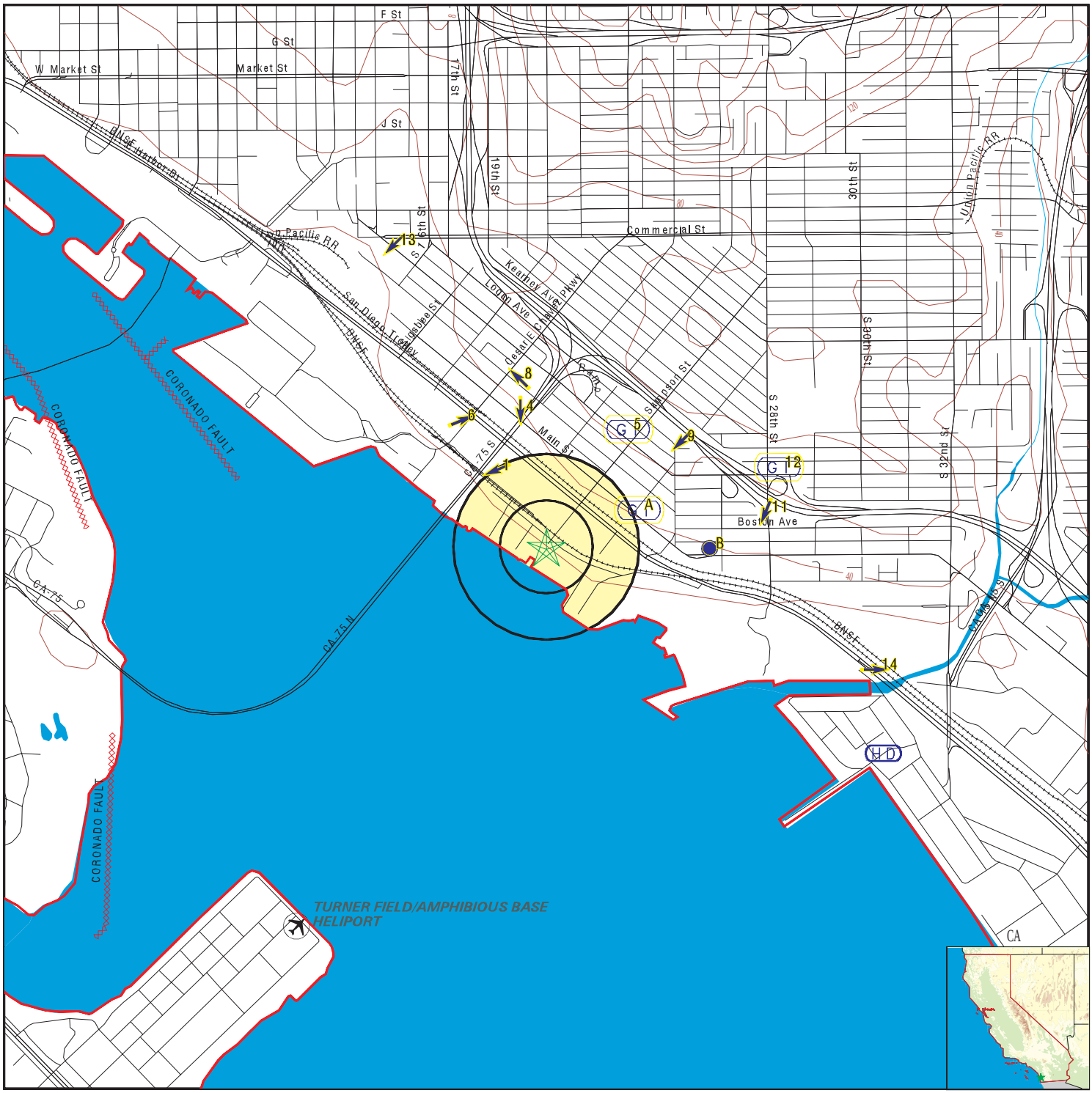
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 5512078.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

0 1/4 1/2 1 Miles

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	BAE Waterfront Improvement Project	CLIENT:	Ninyo & Moore
ADDRESS:	2205 East Belt Street San Diego CA 92113	CONTACT:	Lisa Bestard
LAT/LONG:	32.69312 / 117.14403	INQUIRY #:	5512078.2s
		DATE:	December 14, 2018 2:42 pm

Copyright © 2018 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **NNW** **1/8 - 1/4 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT2560 WSW Not Reported Not Reported 10.5 11/16/1987	**AQUIFLOW**	**33932**
A2 **ENE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 35 06/23/1992	**AQUIFLOW**	**55157**
A3 **ENE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 30 12/14/1987	**AQUIFLOW**	**55143**
4 **North** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported S Not Reported Not Reported 25 03/13/1989	**AQUIFLOW**	**33934**
5 **NE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT1348 Not Reported Not Reported Not Reported 16 05/22/1989	**AQUIFLOW**	**33938**
6 **NNW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported ENE Not Reported Not Reported 15 06/1998	**AQUIFLOW**	**33931**
B7 **East** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW 30 35 Not Reported 07/07/1988	**AQUIFLOW**	**33860**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
8 **North** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NW Not Reported Not Reported 30 12/14/1987	**AQUIFLOW**	**38457**
9 **NE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW Not Reported Not Reported 59 06/20/1988	**AQUIFLOW**	**38397**
B10 **East** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported WSW 8 19.8 Not Reported 08/25/1995	**AQUIFLOW**	**34179**
11 **East** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT1625 SSW Not Reported Not Reported 25 06/12/1990	**AQUIFLOW**	**38033**
12 **ENE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 50 10/20/1998	**AQUIFLOW**	**38729**
13 **NNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW Not Reported Not Reported 35 12/22/1995	**AQUIFLOW**	**55090**
14 **ESE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported E Not Reported Not Reported 8.5 01/29/1991	**AQUIFLOW**	**55121**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1G **NNW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW Not Reported Not Reported 35 12/22/1995	**AQUIFLOW**	**55090**
2G **North** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NW Not Reported Not Reported 30 12/14/1987	**AQUIFLOW**	**38457**
3G **North** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported S Not Reported Not Reported 25 03/13/1989	**AQUIFLOW**	**33934**
4G **NNW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported ENE Not Reported Not Reported 15 06/1998	**AQUIFLOW**	**33931**
5G **NE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT1348 Not Reported Not Reported Not Reported 16 05/22/1989	**AQUIFLOW**	**33938**
6G **NE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW Not Reported Not Reported 59 06/20/1988	**AQUIFLOW**	**38397**
7G **ENE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 50 10/20/1998	**AQUIFLOW**	**38729**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
8G **NNW** **1/8 - 1/4 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT2560 WSW Not Reported Not Reported 10.5 11/16/1987	**AQUIFLOW**	**33932**
9G **ENE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 35 06/23/1992	**AQUIFLOW**	**55157**
10G **East** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT1625 SSW Not Reported Not Reported 25 06/12/1990	**AQUIFLOW**	**38033**
11G **ENE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 30 12/14/1987	**AQUIFLOW**	**55143**
12G **East** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported SW 30 35 Not Reported 07/07/1988	**AQUIFLOW**	**33860**
13G **East** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported WSW 8 19.8 Not Reported 08/25/1995	**AQUIFLOW**	**34179**
14G **ESE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported E Not Reported Not Reported 8.5 01/29/1991	**AQUIFLOW**	**55121**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92113	2	0

Federal EPA Radon Zone for SAN DIEGO County: 3

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 SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
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 and 2010 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.

STATE RECORDS

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.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
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

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX C

Historical Research Documentation

BAE Waterfront Improvement Project

2205 East Belt Street

San Diego, CA 92113

Inquiry Number: 5512078.3

December 14, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/14/18

Site Name:	Client Name:
BAE Waterfront Improvement F	Ninyo & Moore
2205 East Belt Street	5710 Ruffin Rd
San Diego, CA 92113	San Diego, CA 92123
EDR Inquiry # 5512078.3	Contact: Lisa Bestard

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Ninyo & Moore 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 # 21A2-404F-B3E7

PO # 108665001

Project BAE Waterfront Improvement Prj

Maps Provided:

1971	1921
1970	
1965	
1962	
1960	
1959	
1956	
1950	

Sanborn® Library search results

Certification #: 21A2-404F-B3E7

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™

Limited Permission To Make Copies

Ninyo & Moore (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

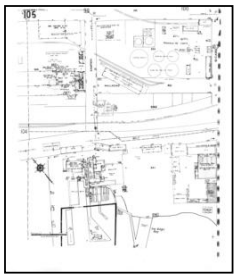
Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1971 Source Sheets

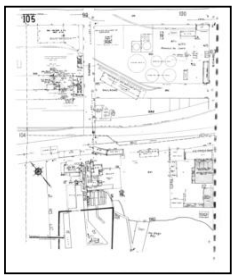


Volume 1, Sheet 105
1971



Volume 1, Sheet 112
1971

1970 Source Sheets

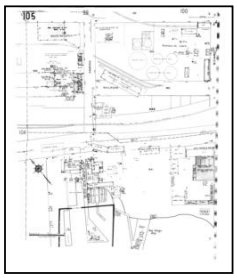


Volume 1, Sheet 105
1970



Volume 1, Sheet 112
1970

1965 Source Sheets

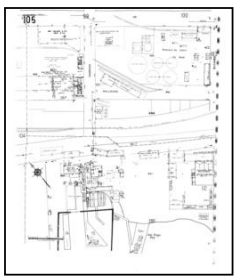


Volume 1, Sheet 105
1965



Volume 1, Sheet 112
1965

1962 Source Sheets



Volume 1, Sheet 105
1962



Volume 1, Sheet 112
1962

Sanborn Sheet Key

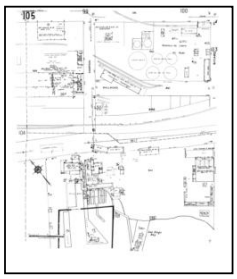
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1960 Source Sheets

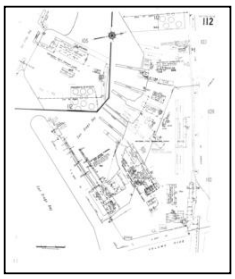


Volume 1, Sheet 105
1960

1959 Source Sheets

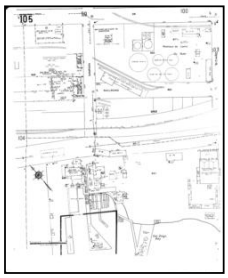


Volume 1, Sheet 105
1959

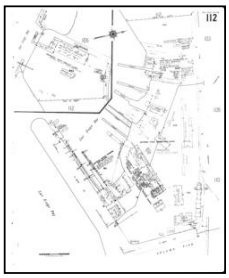


Volume 1, Sheet 112
1959

1956 Source Sheets

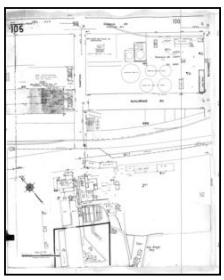


Volume 1, Sheet 105
1956

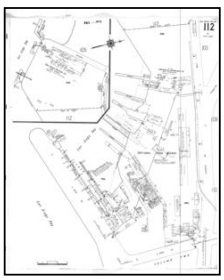


Volume 1, Sheet 112
1956

1950 Source Sheets



Volume 1, Sheet 105
1950

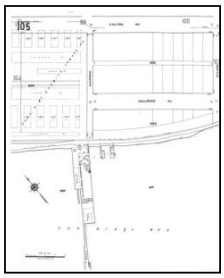


Volume 1, Sheet 112
1950

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1921 Source Sheets



Volume 1, Sheet 105
1921

Certified Sanborn® Map

1971

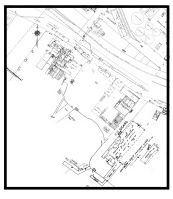
Site Name:	BAE Waterfront Improvement Project
Address:	2205 East Belt Street
City, ST, ZIP:	San Diego, CA 92113
Client:	Ninyo & Moore
EDR Inquiry:	5512078.3
Order Date:	12/14/2018
Certification #	21A2-404F-B3E7
Copyright	1971

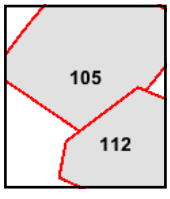
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 21A2-404F-B3E7

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



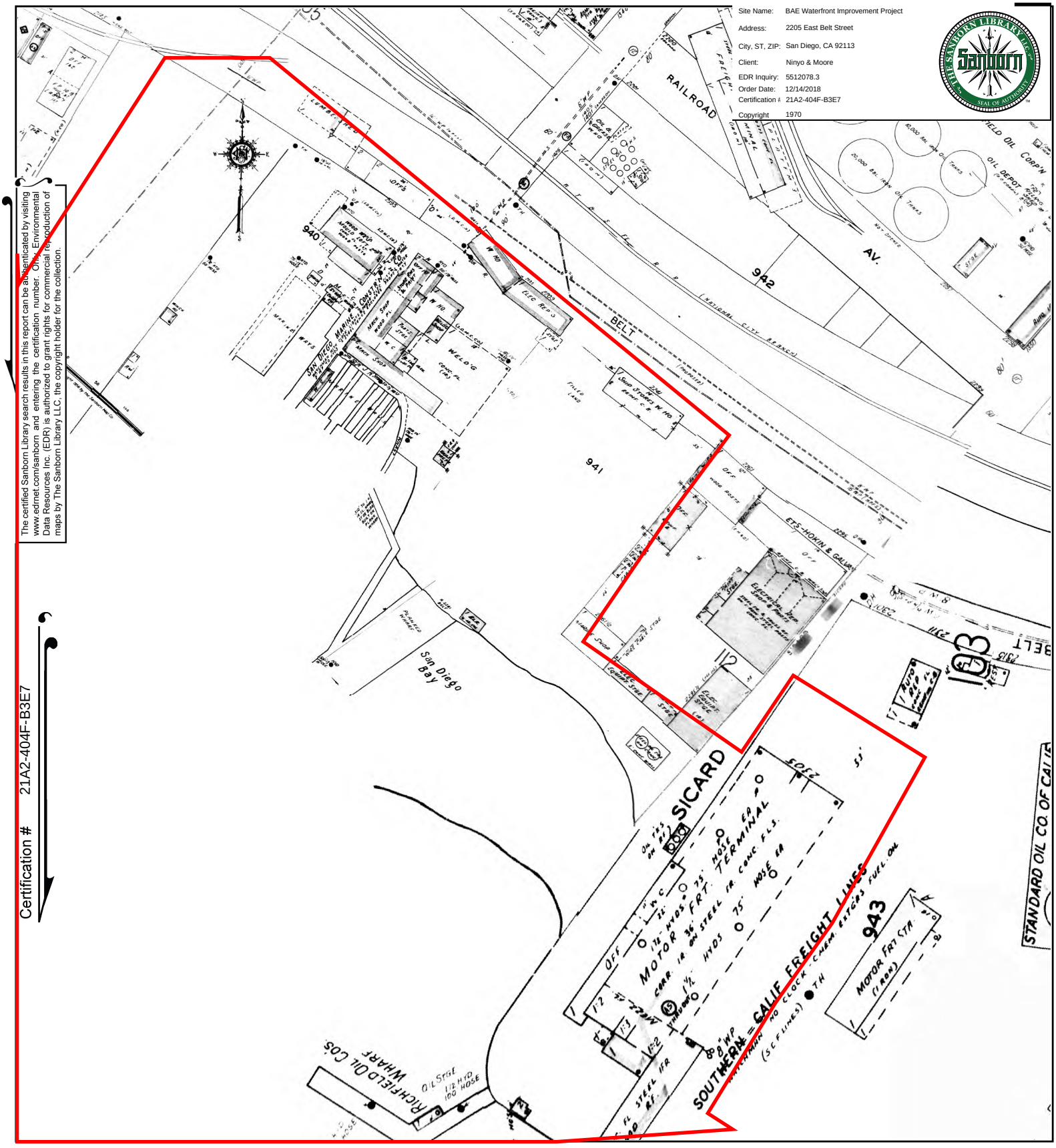


Volume 1, Sheet 112
Volume 1, Sheet 105

Site Name: BAE Waterfront Improvement Project
Address: 2205 East Belt Street
City, ST, ZIP: San Diego, CA 92113
Client: Ninyo & Moore
EDR Inquiry: 5512078.3
Order Date: 12/14/2018
Certification #: 21A2-404F-B3E7
Copyright 1970

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Other 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.

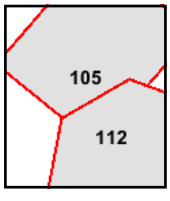
Certification # 21A2-404F-B3E7



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 1, Sheet 112
Volume 1, Sheet 105

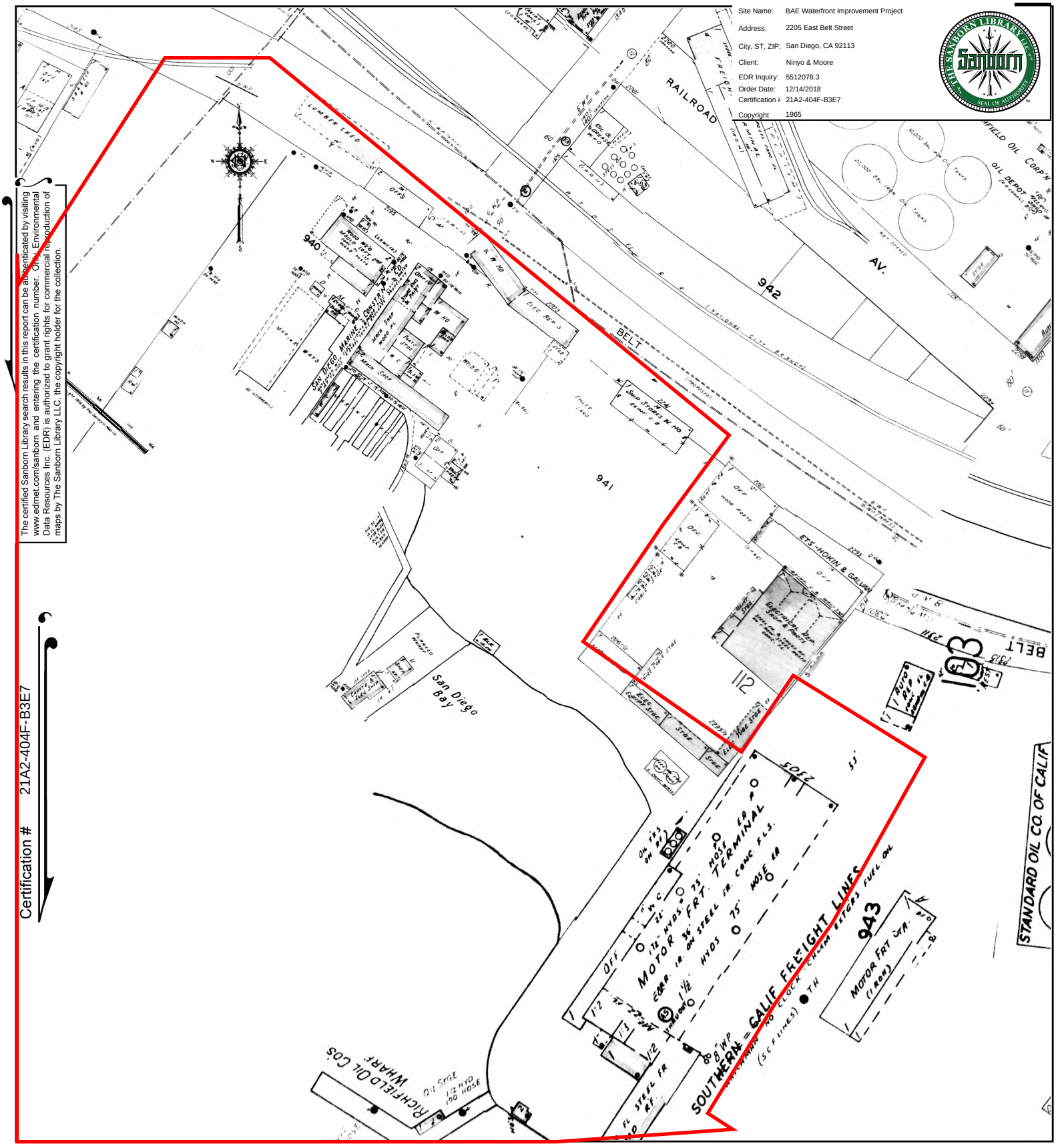
N

Site Name: BAE Waterfront Improvement Project
Address: 2205 East Belt Street
City, ST, ZIP: San Diego, CA 92113
Client: Ninyo & Moore
EDR Inquiry: 5512078.3
Order Date: 12/14/2018
Certification #: 21A2-404F-B3E7

Copyright 1965

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. 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.

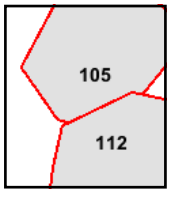
Certification # 21A2-404F-B3E7



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





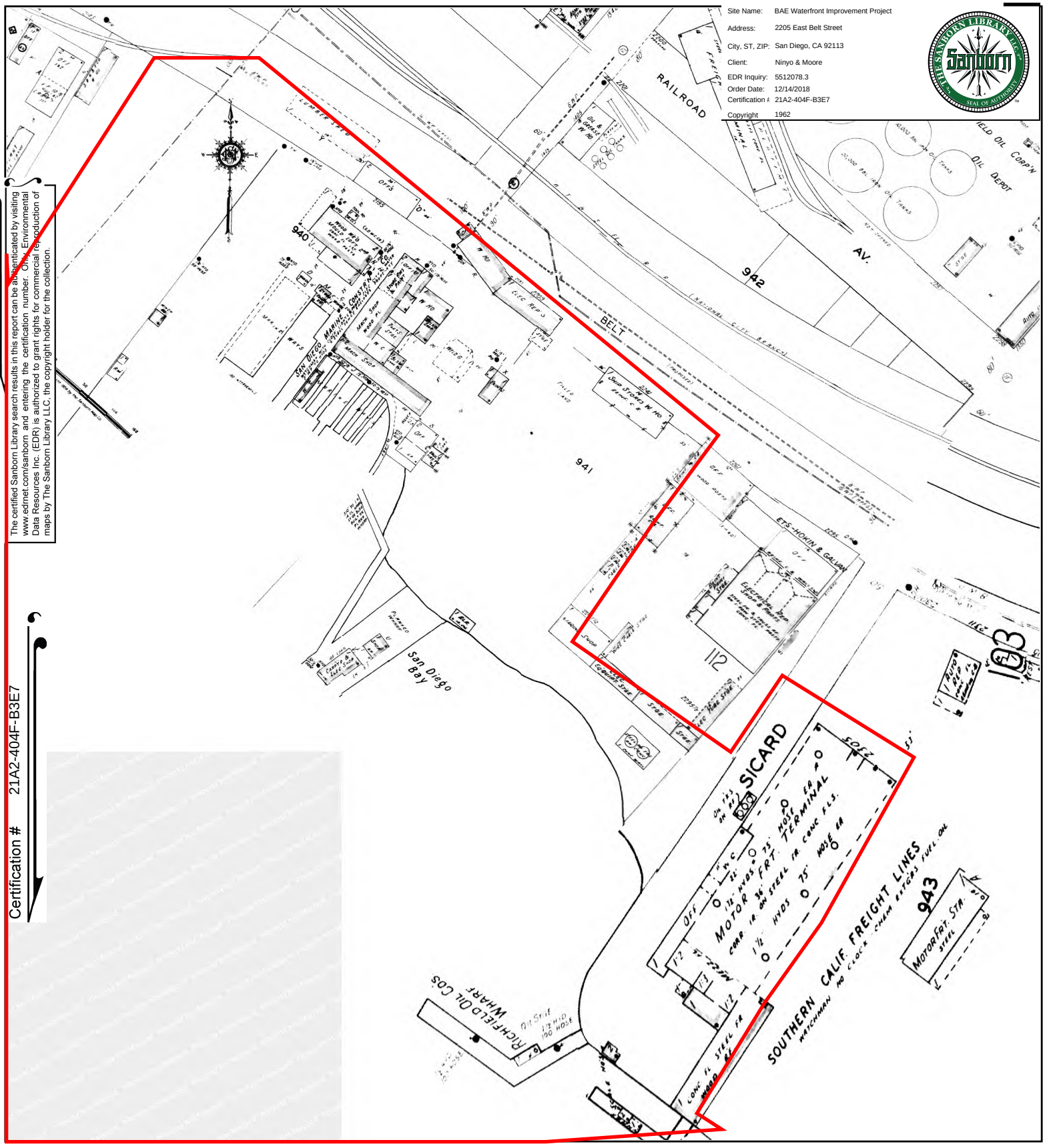
Volume 1, Sheet 112
Volume 1, Sheet 105

N

Site Name: BAE Waterfront Improvement Project
Address: 2205 East Belt Street
City, ST, ZIP: San Diego, CA 92113
Client: Ninyo & Moore
EDR Inquiry: 5512078.3
Order Date: 12/14/2018
Certification #: 21A2-404F-B3E7
Copyright 1962

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. 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.

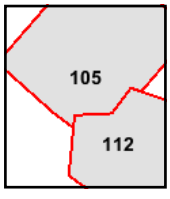
Certification # 21A2-404F-B3E7



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 1, Sheet 112
Volume 1, Sheet 105

N

Certified Sanborn® Map

1960

Site Name: BAE Waterfront Improvement Project
Address: 2205 East Belt Street
City, ST, ZIP: San Diego, CA 92113
Client: Ninyo & Moore
EDR Inquiry: 5512078.3
Order Date: 12/14/2018
Certification #: 21A2-404F-B3E7
Copyright: 1960

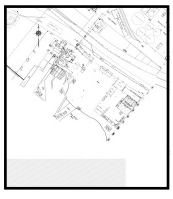
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

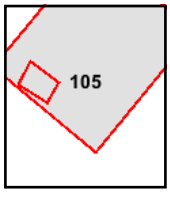
Certification # 21A2-404F-B3E7

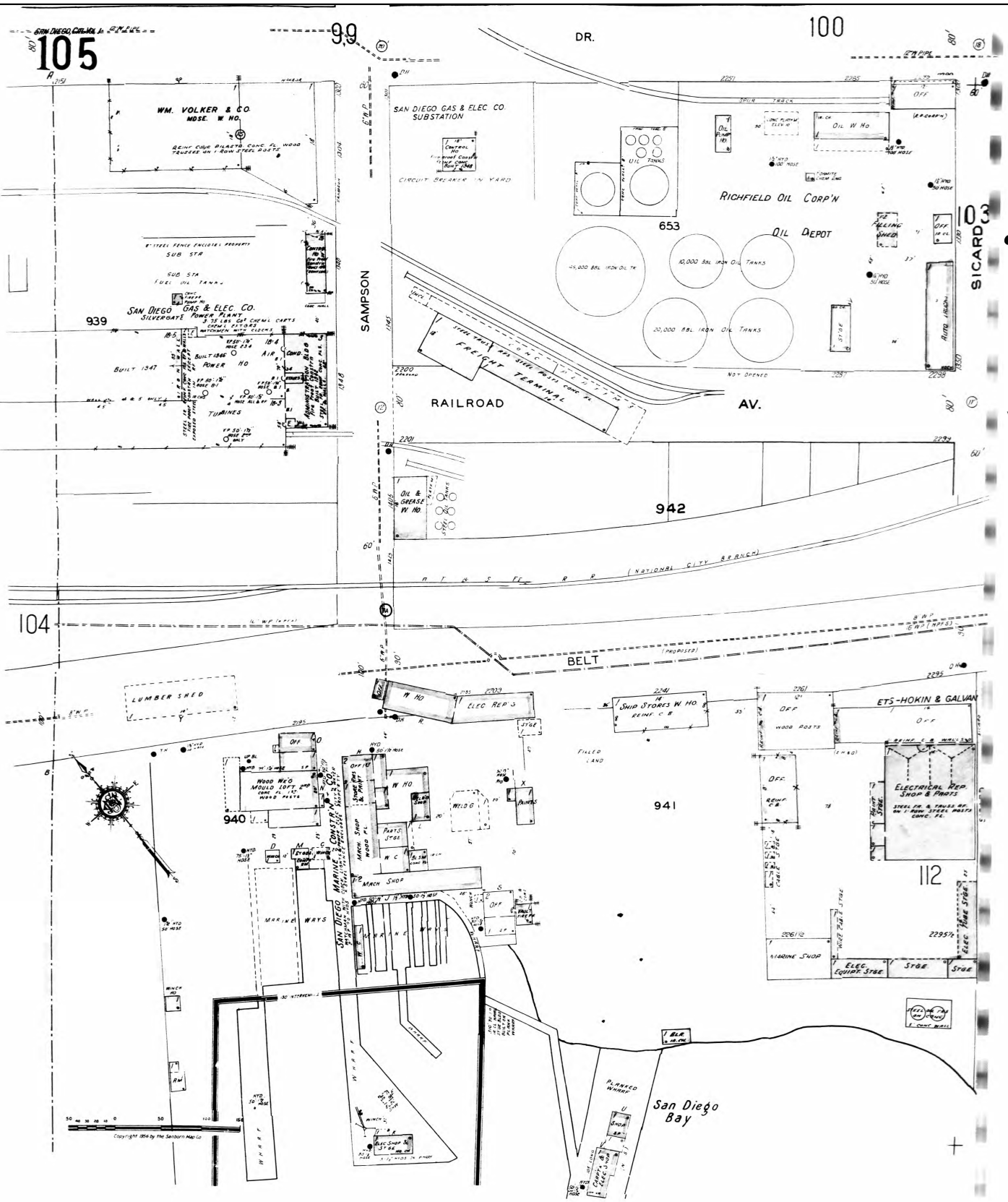
This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 1, Sheet 105







The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. 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.

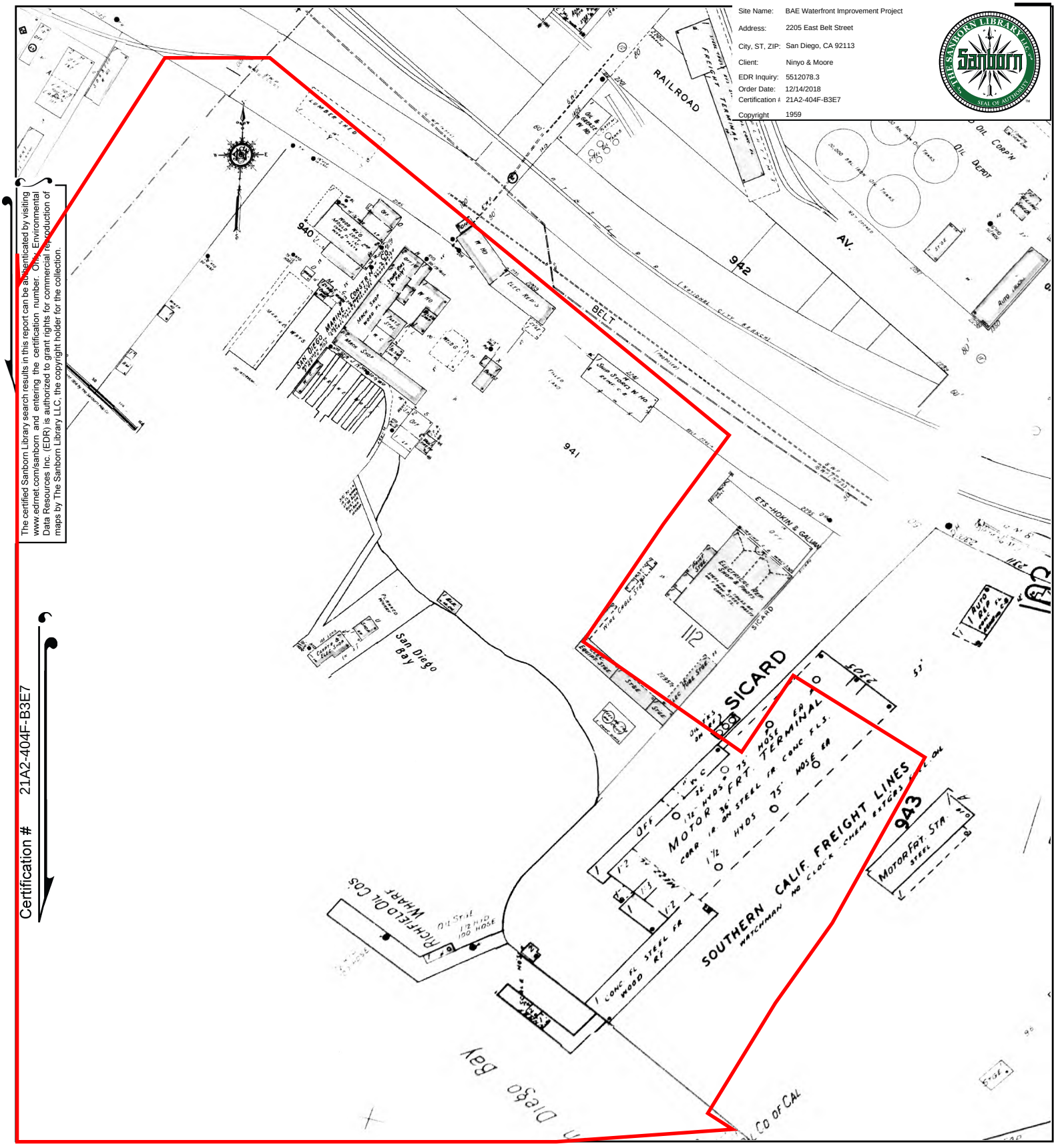
Certification #21A2-404F-B3E7

Site Name:	BAE Waterfront Improvement Project
Address:	2205 East Belt Street
City, ST, ZIP:	San Diego, CA 92113
Client:	Ninyo & Moore
EDR Inquiry:	5512078.3
Order Date:	12/14/2018
Certification #:	21A2-404F-B3E7
Copyright	1960

Site Name:	BAE Waterfront Improvement Project
Address:	2205 East Belt Street
City, ST, ZIP:	San Diego, CA 92113
Client:	Ninyo & Moore
EDR Inquiry:	5512078.3
Order Date:	12/14/2018
Certification #	21A2-404F-B3E7
Copyright	1959

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. 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.

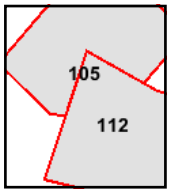
Certification # 21A2-404F-B3E7



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





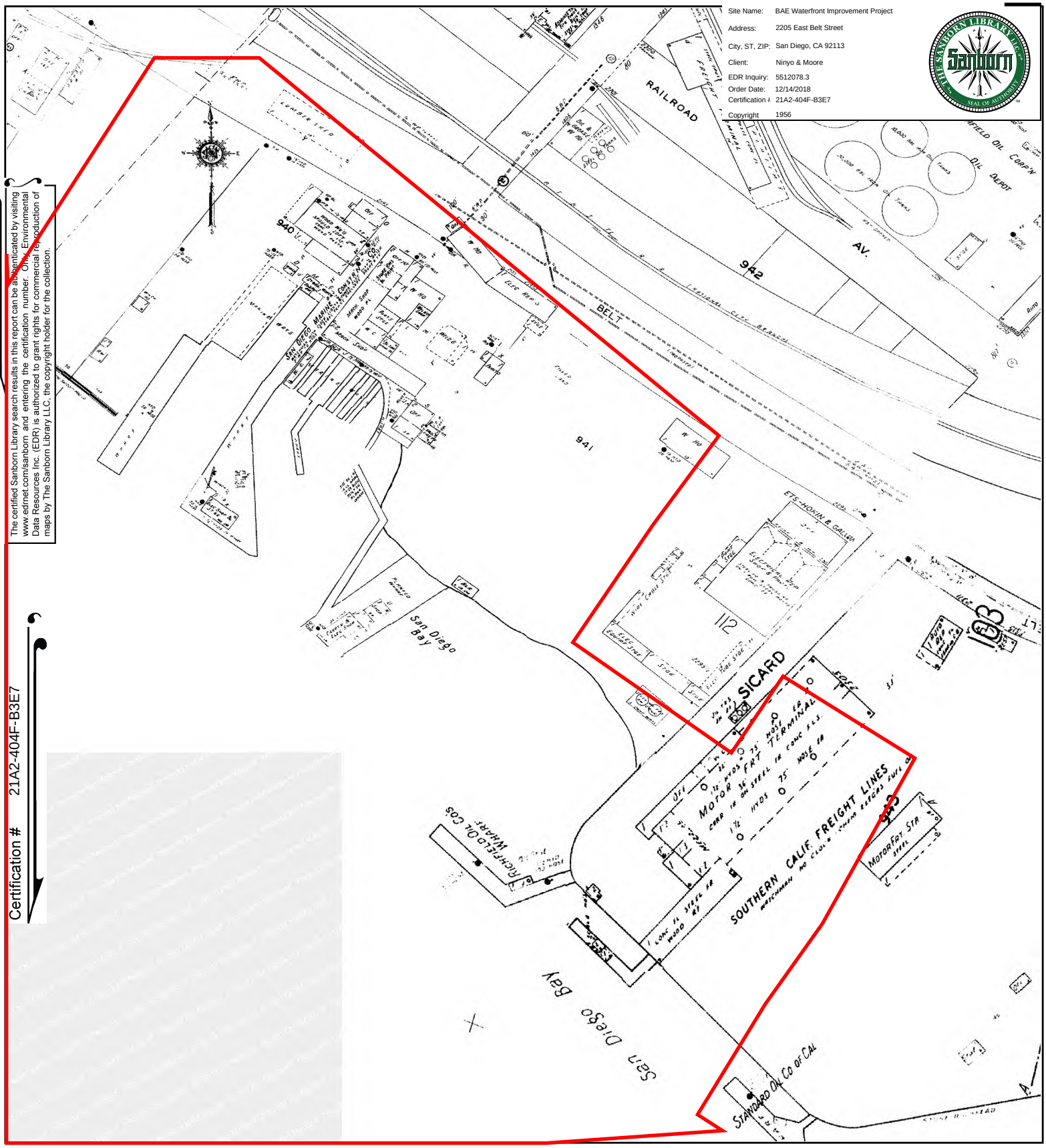
Volume 1, Sheet 112
Volume 1, Sheet 105

N

Site Name: BAE Waterfront Improvement Project
Address: 2205 East Belt Street
City, ST, ZIP: San Diego, CA 92113
Client: Ninyo & Moore
EDR Inquiry: 5512078.3
Order Date: 12/14/2018
Certification #: 21A2-404F-B3E7
Copyright 1956

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. 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.

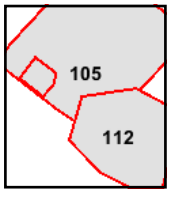
Certification # 21A2-404F-B3E7



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 1, Sheet 112
Volume 1, Sheet 105

N

Site Name: BAE Waterfront Improvement Project
Address: 2205 East Belt Street
City, ST, ZIP: San Diego, CA 92113
Client: Ninyo & Moore
EDR Inquiry: 5512078.3
Order Date: 12/14/2018
Certification #: 21A2-404F-B3E7
Copyright 1950

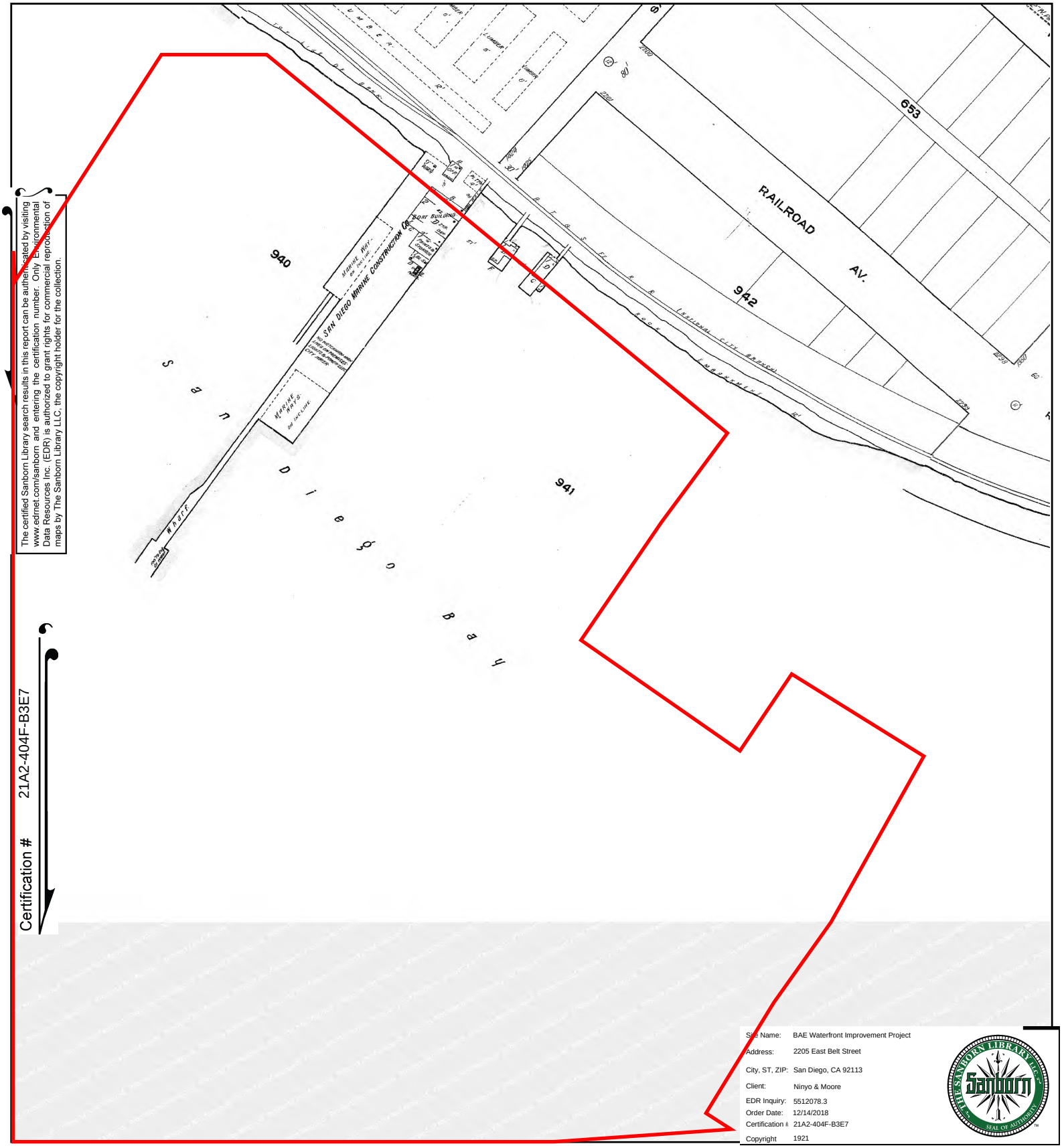
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Our Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 21A2-404F-B3E7

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 1, Sheet 112
Volume 1, Sheet 105

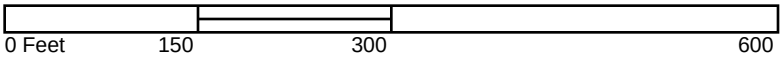


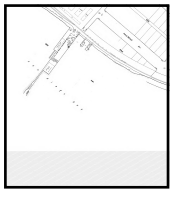
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

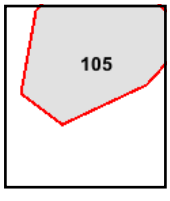
Certification # 21A2-404F-B3E7

Site Name:	BAE Waterfront Improvement Project
Address:	2205 East Belt Street
City, ST, ZIP:	San Diego, CA 92113
Client:	Ninyo & Moore
EDR Inquiry:	5512078.3
Order Date:	12/14/2018
Certification #:	21A2-404F-B3E7
Copyright	1921

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.







Volume 1, Sheet 105



BAE Waterfront Improvement Project

2205 East Belt Street

San Diego, CA 92113

Inquiry Number: 5512078.5

December 17, 2018

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

12/17/18

Site Name:

BAE Waterfront Improvement F
2205 East Belt Street
San Diego, CA 92113
EDR Inquiry # 5512078.5

Client Name:

Ninyo & Moore
5710 Ruffin Rd
San Diego, CA 92123
Contact: Lisa Bestard

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:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 15, 1989	USDA
1985	1"=500'	Flight Date: February 24, 1985	USDA
1979	1"=500'	Flight Date: January 27, 1979	EDR Proprietary Landiscor
1970	1"=500'	Flight Date: March 06, 1970	EDR Proprietary Landiscor
1966	1"=500'	Flight Date: September 13, 1966	USGS
1964	1"=500'	Flight Date: April 07, 1964	USDA
1953	1"=500'	Flight Date: April 14, 1953	USDA
1949	1"=500'	Flight Date: February 16, 1949	USDA
1928	1"=500'	Flight Date: November 01, 1928	EDR Proprietary Landiscor

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



INQUIRY #: 5512078.5

YEAR: 2016

= 500'

N

EDR



INQUIRY #: 5512078.5

YEAR: 2012

= 500'

N

EDR



INQUIRY #: 5512078.5

YEAR: 2009

= 500'

N

EDR



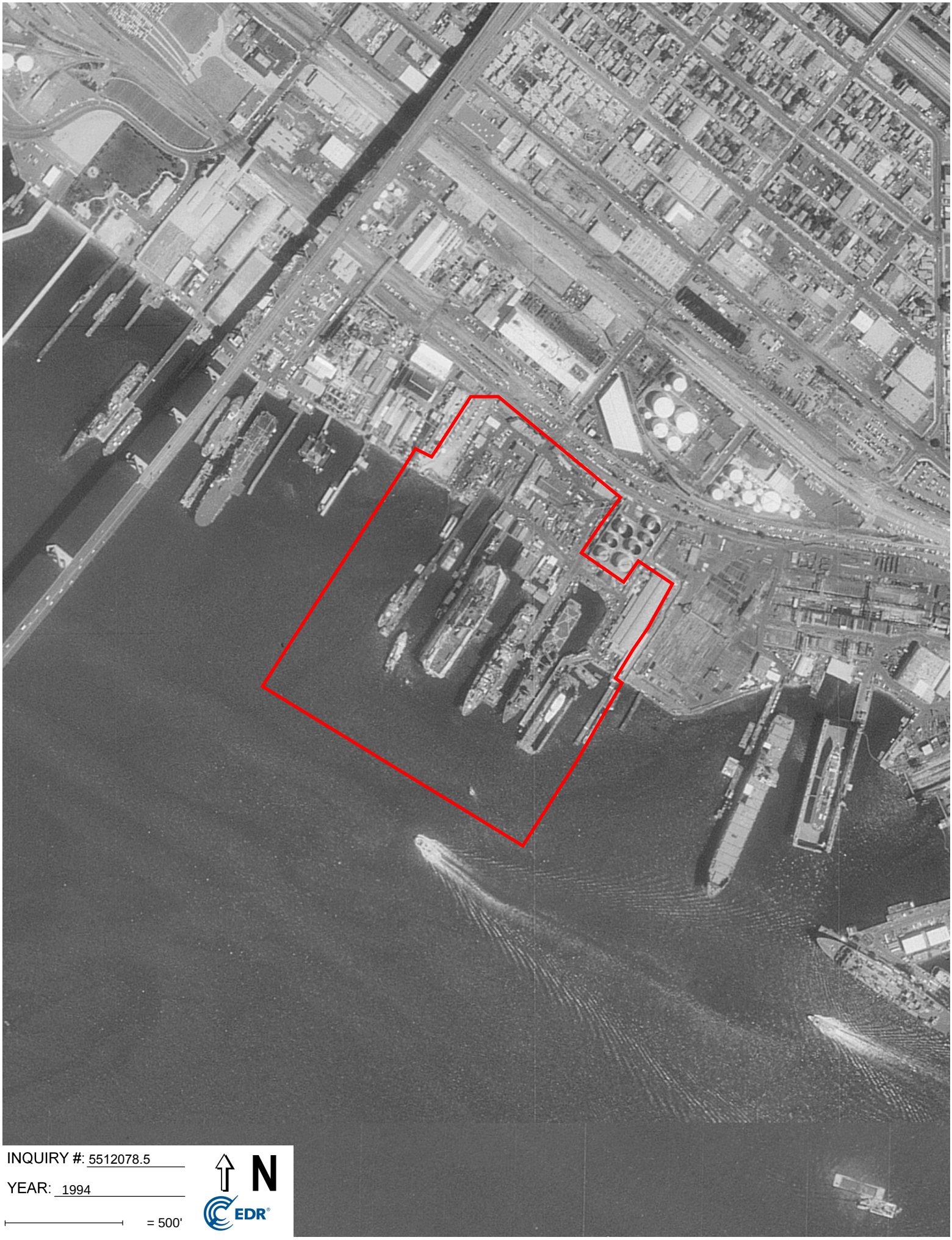
INQUIRY #: 5512078.5

YEAR: 2005

= 500'

N

EDR



INQUIRY #: 5512078.5

YEAR: 1994

= 500'

N

EDR



INQUIRY #: 5512078.5

YEAR: 1989

= 500'

N

EDR



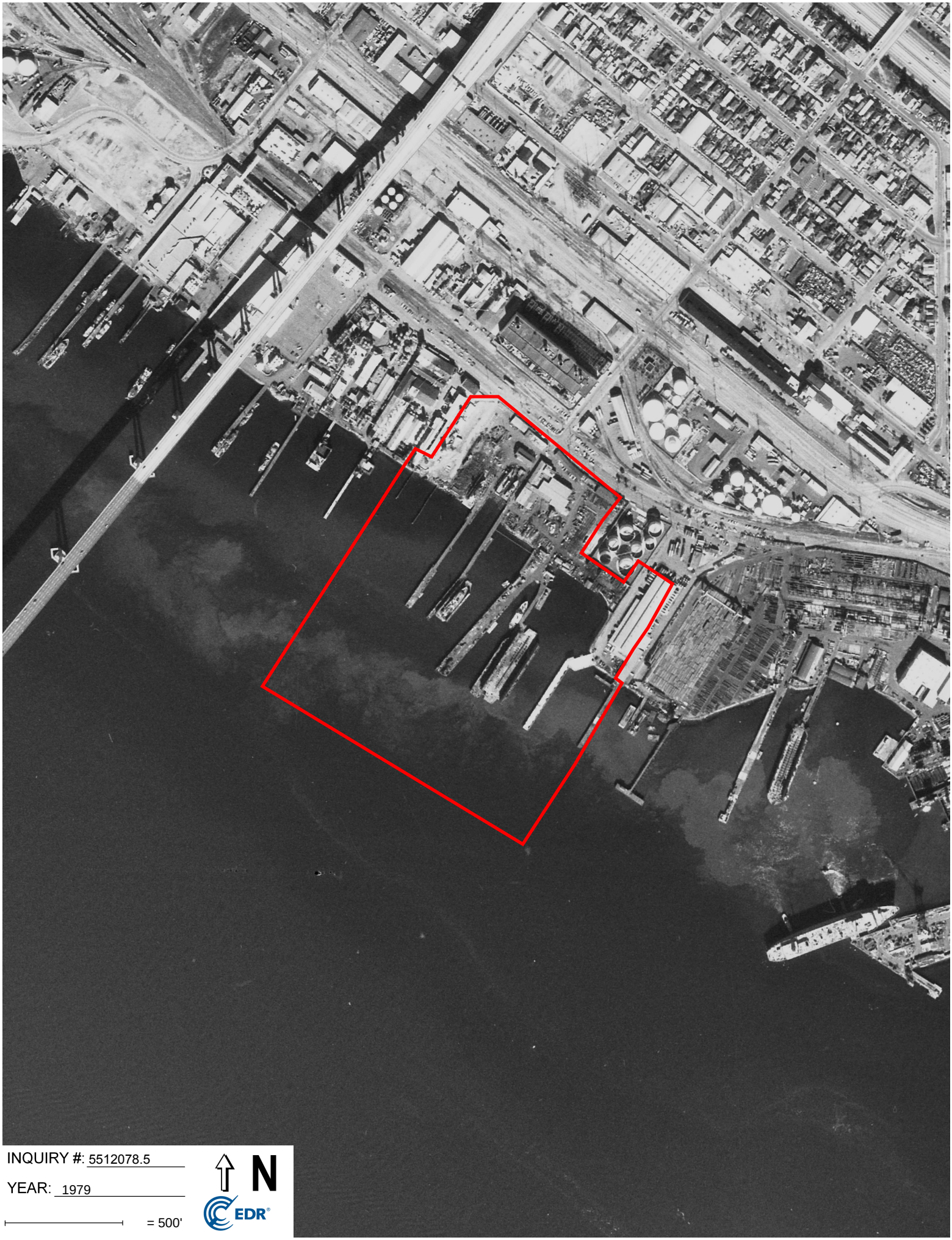
INQUIRY #: 5512078.5

YEAR: 1985

= 500'

N

EDR



INQUIRY #: 5512078.5

YEAR: 1979

= 500'

N

EDR



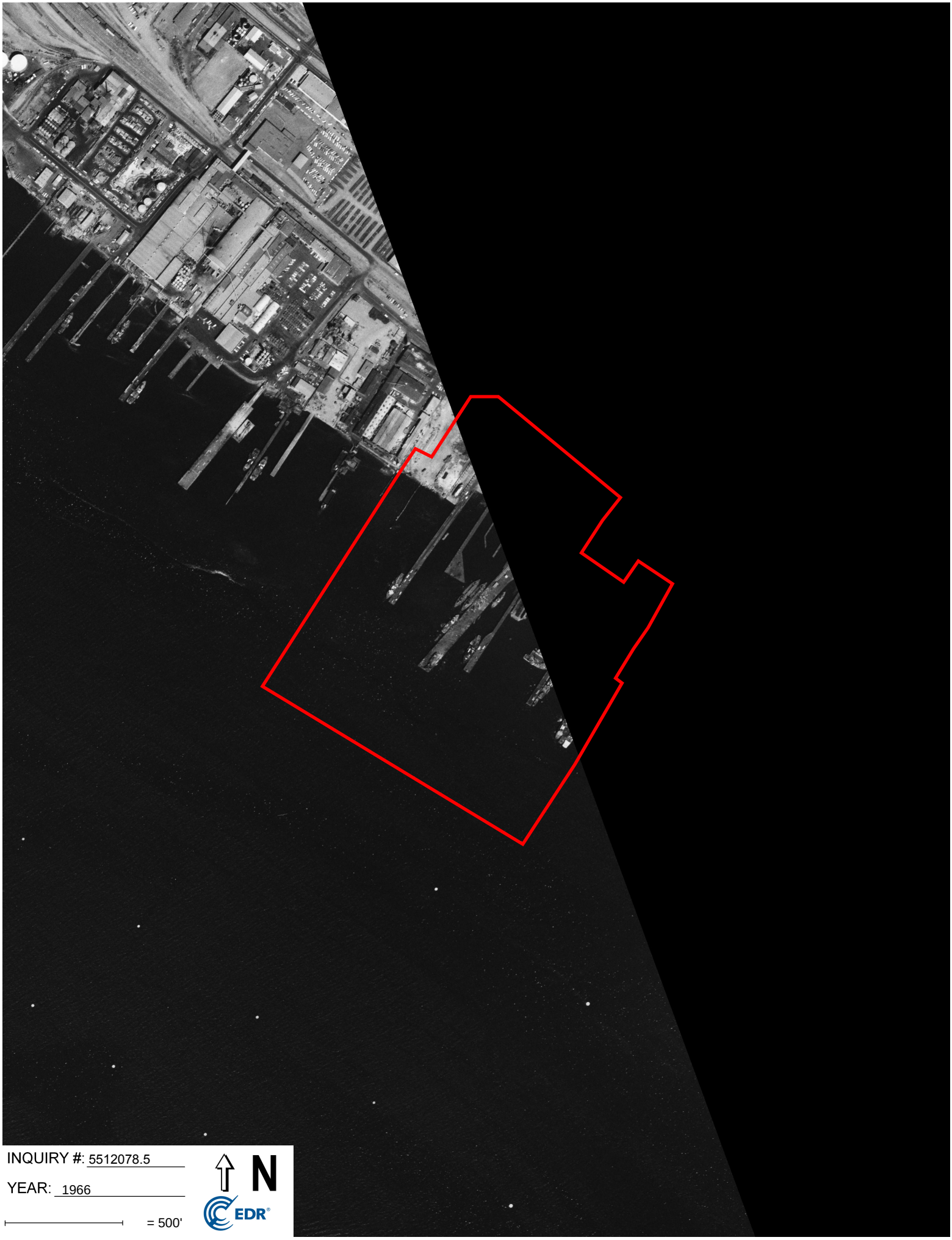
INQUIRY #: 5512078.5

YEAR: 1970

= 500'

N

EDR



INQUIRY #: 5512078.5

YEAR: 1966

= 500'

N

EDR



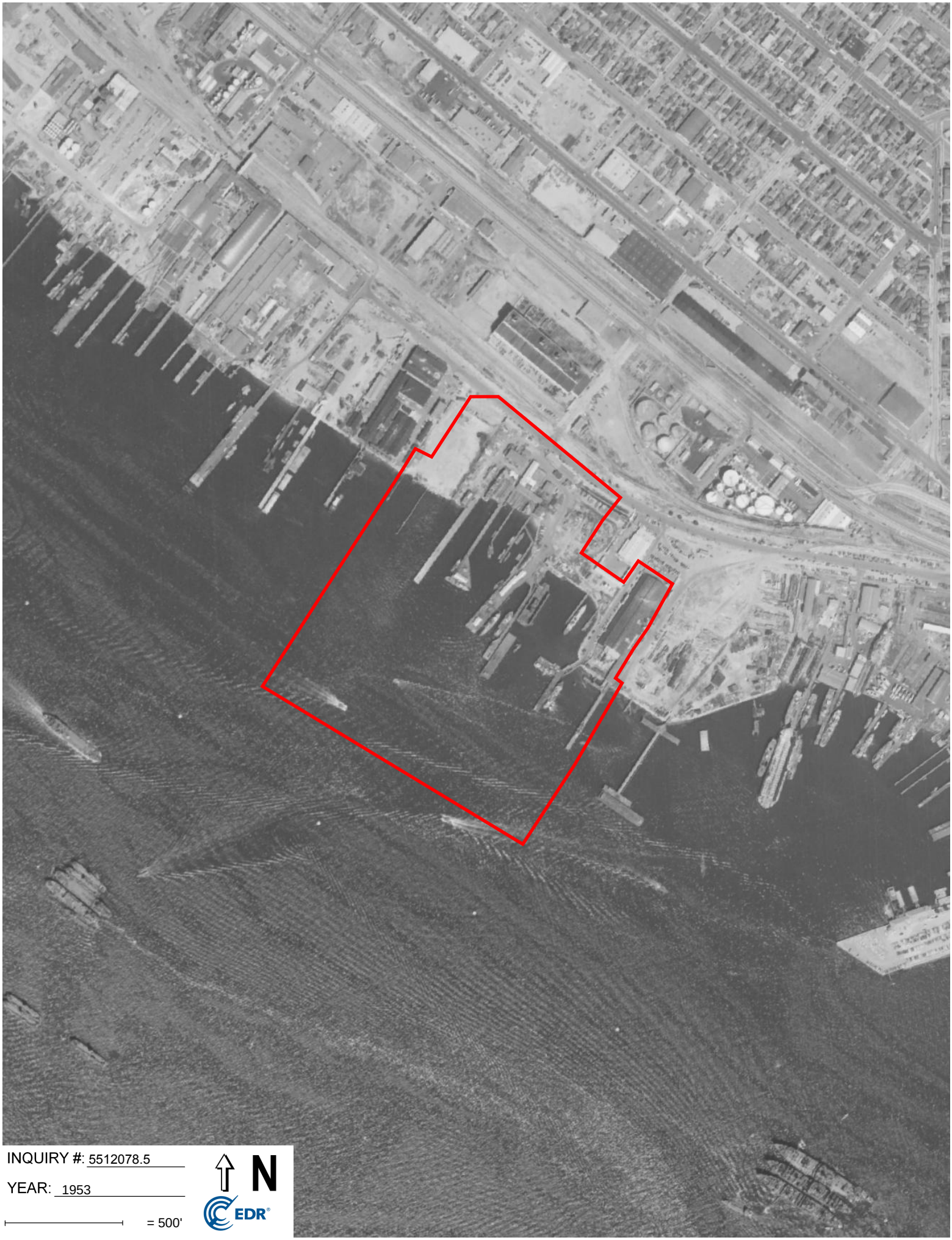
INQUIRY #: 5512078.5

YEAR: 1964

= 500'

N

EDR



INQUIRY #: 5512078.5

YEAR: 1953

= 500'

N

EDR



INQUIRY #: 5512078.5

YEAR: 1949

= 500'

N

EDR



INQUIRY #: 5512078.5

YEAR: 1928

= 500'

N

EDR

BAE Waterfront Improvement Project

2205 East Belt Street

San Diego, CA 92113

Inquiry Number: 5512078.8

December 14, 2018

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

12/14/18

Site Name:	Client Name:
BAE Waterfront Improvement F	Ninyo & Moore
2205 East Belt Street	5710 Ruffin Rd
San Diego, CA 92113	San Diego, CA 92123
EDR Inquiry # 5512078.8	Contact: Lisa Bestard

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Ninyo & Moore 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. EDRs 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.#	108665001	**Latitude:**	32.69312 32° 41' 35" North
Project:	BAE Waterfront Improvement F	**Longitude:**	-117.14403 -117° 8' 39" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	486498.93
		UTM Y Meters:	3617276.20
		Elevation:	18.52' above sea level

Maps Provided:

2012	1930
1996	1904
1994	
1991	
1975	
1967	
1953	
1942, 1944	

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Point Loma
2012
7.5-minute, 24000



National City
2012
7.5-minute, 24000

1996 Source Sheets



National City
1996
7.5-minute, 24000
Aerial Photo Revised 1996



Point Loma
1996
7.5-minute, 24000
Aerial Photo Revised 1996

1994 Source Sheets



Point Loma
1994
7.5-minute, 24000
Aerial Photo Revised 1975

1991 Source Sheets



SAN DIEGO
1991
15-minute, 50000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1975 Source Sheets



National City
1975
7.5-minute, 24000
Aerial Photo Revised 1975



Point Loma
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1967 Source Sheets



National City
1967
7.5-minute, 24000
Aerial Photo Revised 1966



Point Loma
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1953 Source Sheets



National City
1953
7.5-minute, 24000
Aerial Photo Revised 1950



Point Loma
1953
7.5-minute, 24000
Aerial Photo Revised 1950

1942, 1944 Source Sheets



Point Loma
1942
7.5-minute, 31680



National City
1944
7.5-minute, 31680

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1930 Source Sheets



San Diego
1930
15-minute, 62500

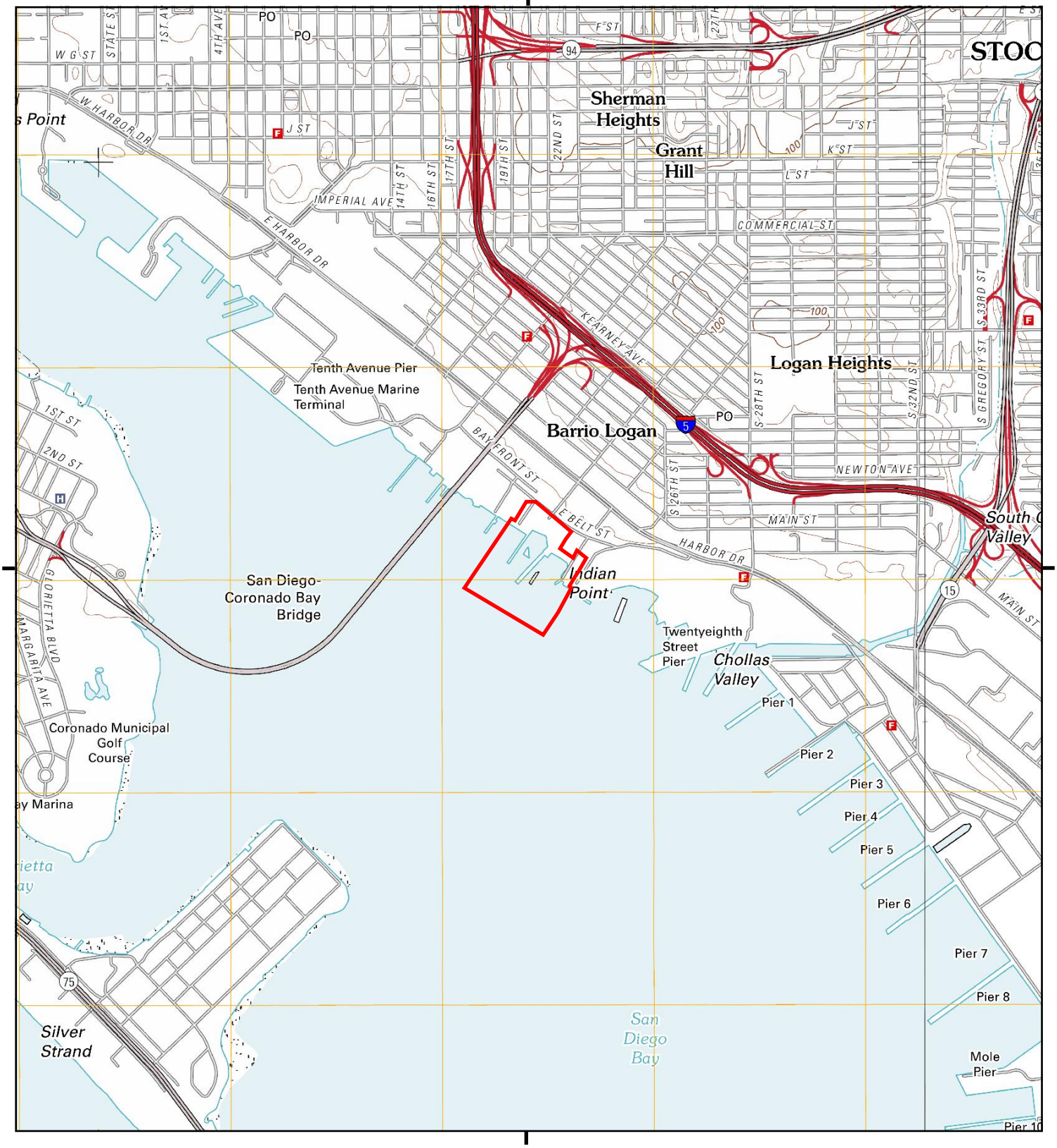
1904 Source Sheets



San Diego
1904
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

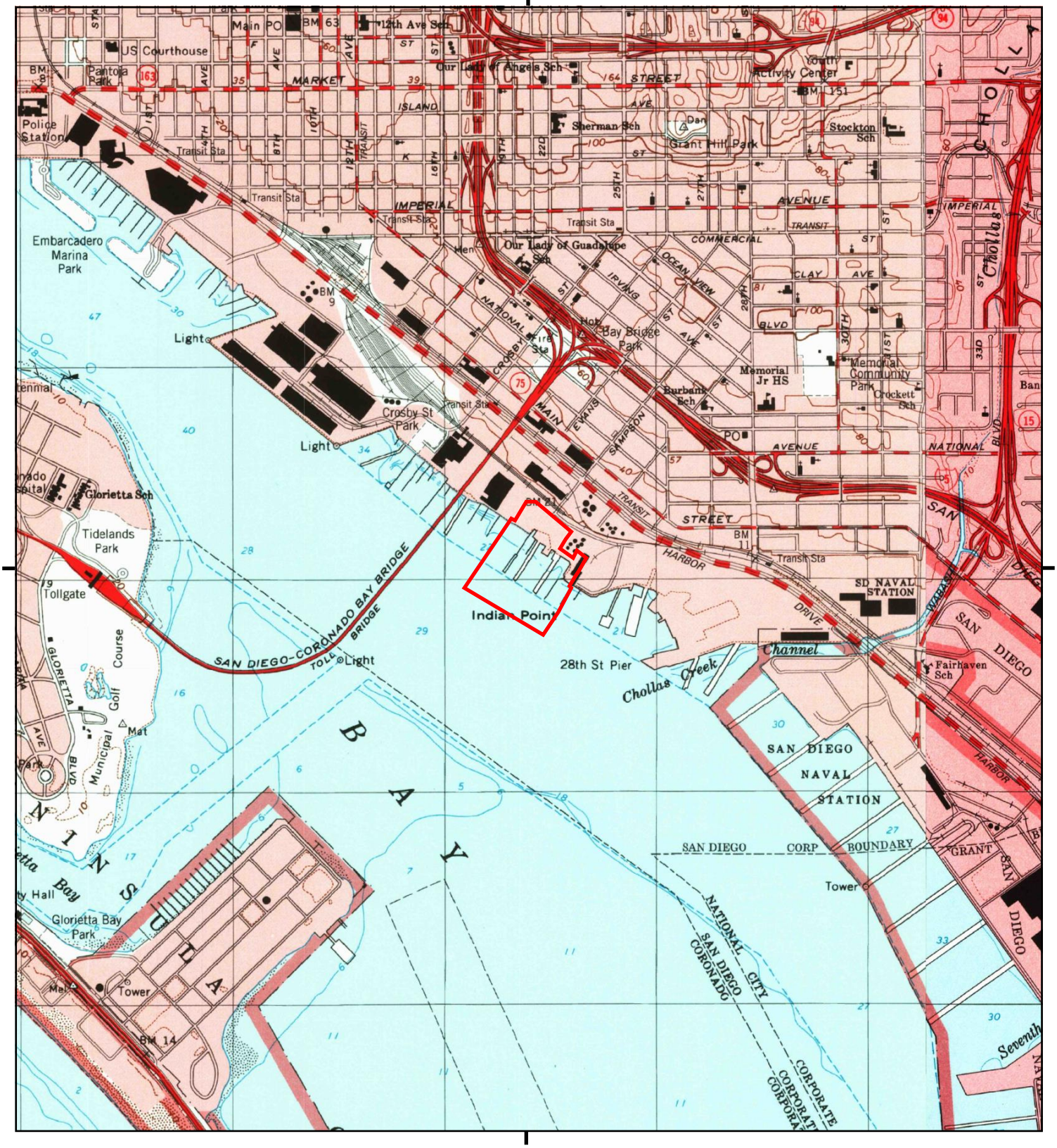
TP, Point Loma, 2012, 7.5-minute
E, National City, 2012, 7.5-minute

SITE NAME: BAE Waterfront Improvement Project
ADDRESS: 2205 East Belt Street
San Diego, CA 92113
CLIENT: Ninyo & Moore

N

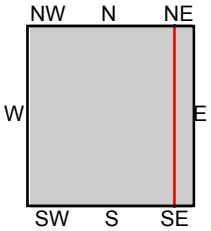
Historical Topo Map

1996



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



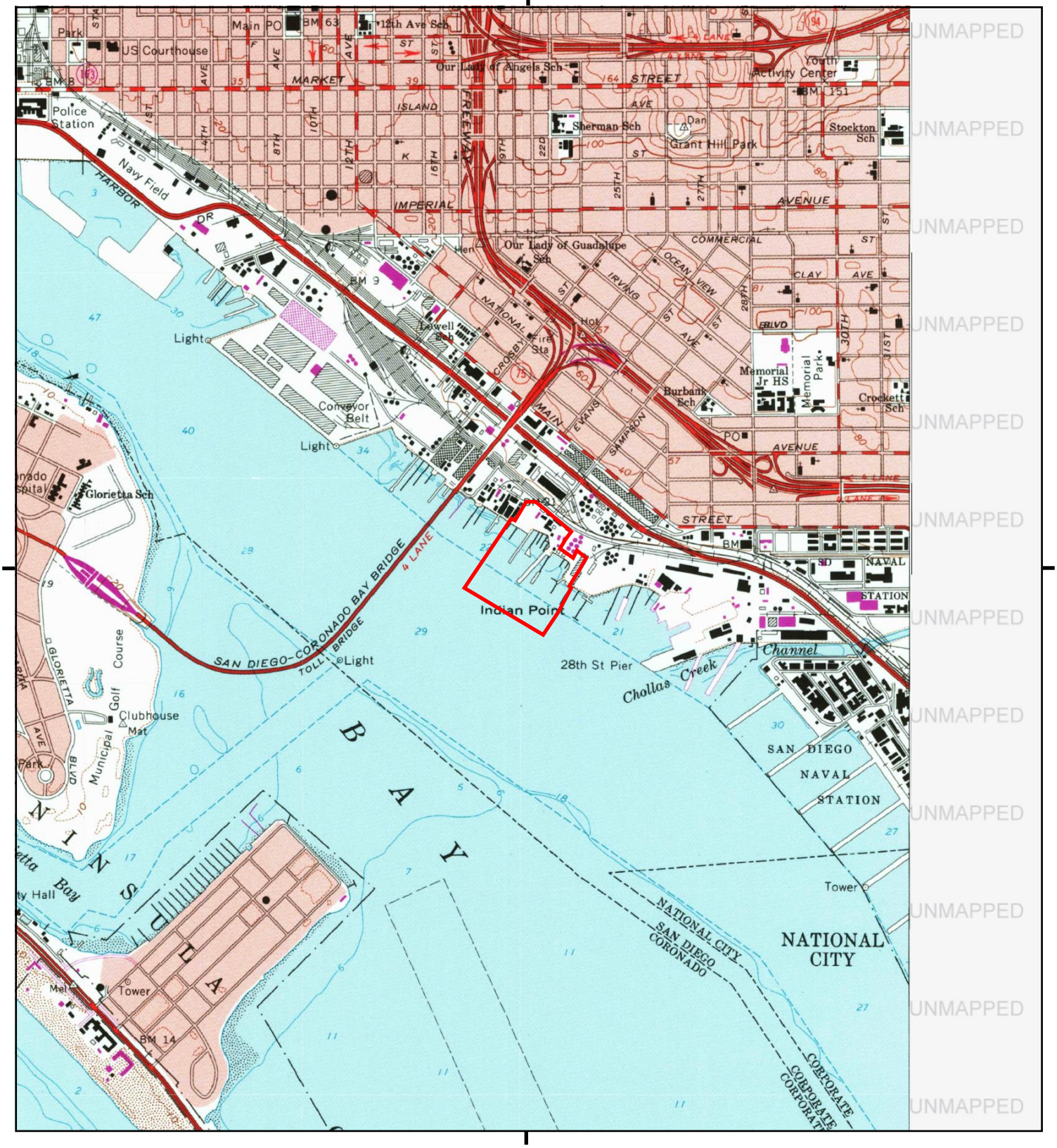
TP, Point Loma, 1996, 7.5-minute
E, National City, 1996, 7.5-minute

SITE NAME: BAE Waterfront Improvement Project
ADDRESS: 2205 East Belt Street
San Diego, CA 92113
CLIENT: Ninyo & Moore

N

Historical Topo Map

1994



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

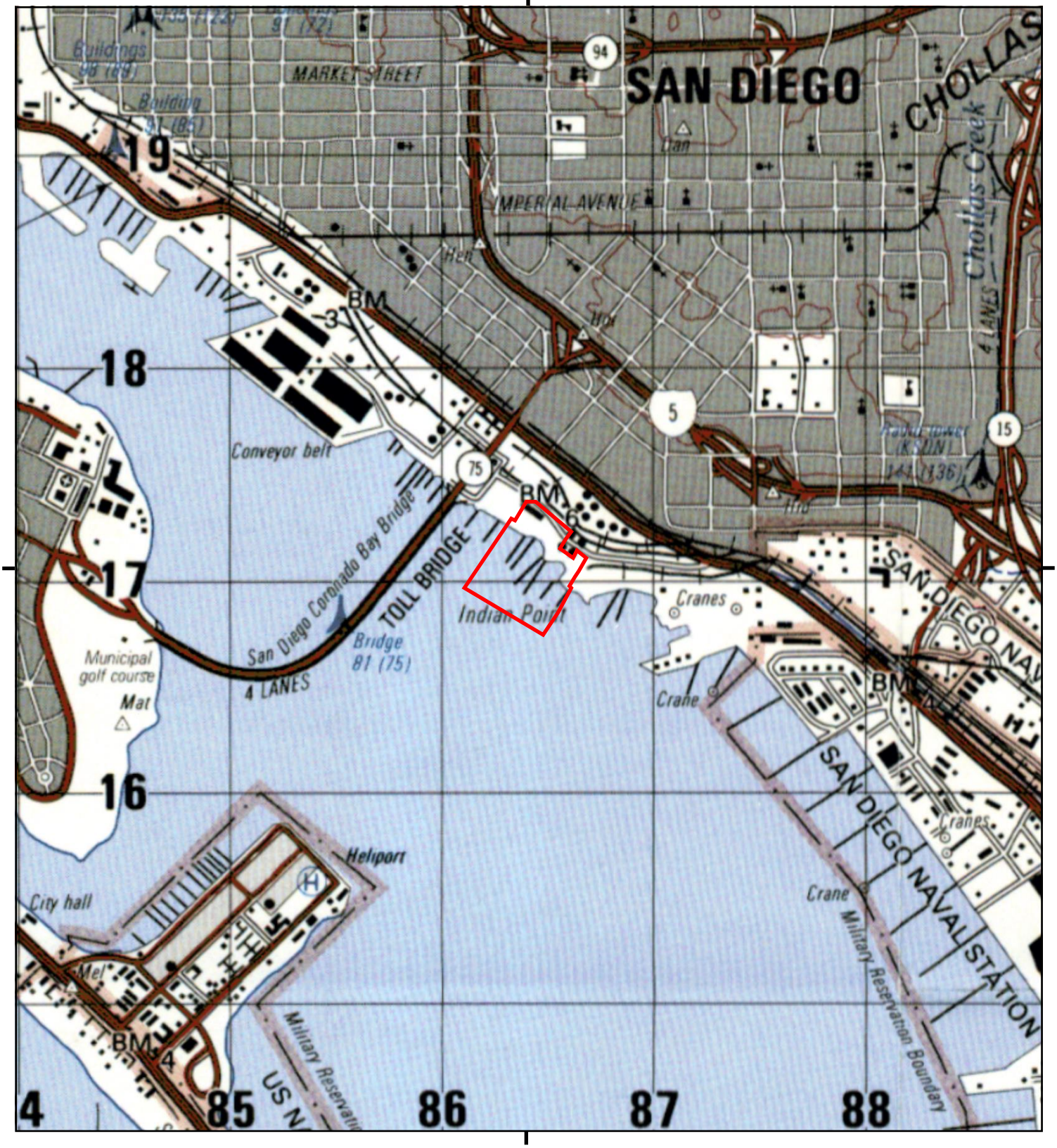
TP, Point Loma, 1994, 7.5-minute

SITE NAME: BAE Waterfront Improvement Project
ADDRESS: 2205 East Belt Street
San Diego, CA 92113
CLIENT: Ninyo & Moore

N

Historical Topo Map

1991



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

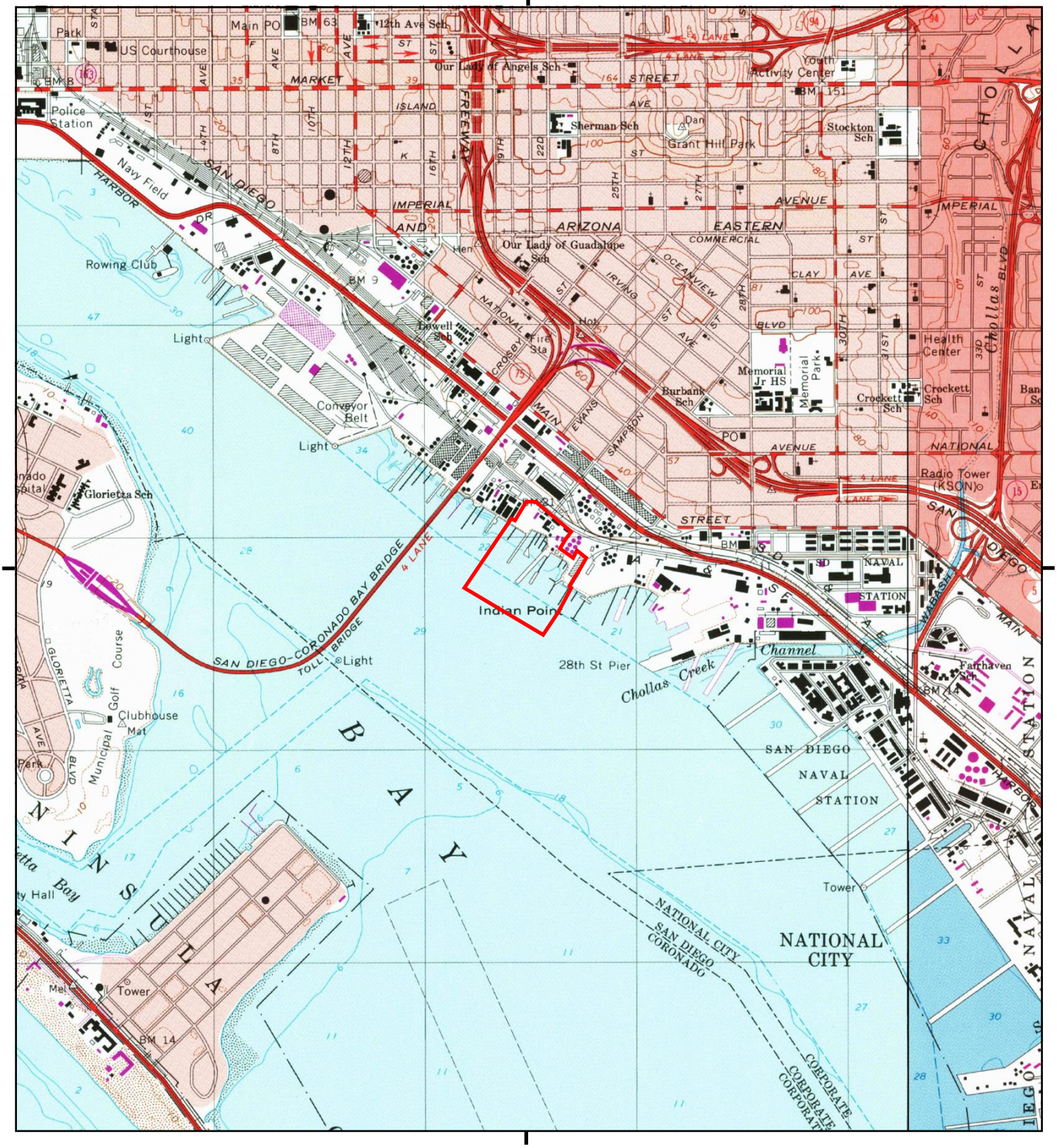
TP, SAN DIEGO, 1991, 15-minute

SITE NAME: BAE Waterfront Improvement Project
ADDRESS: 2205 East Belt Street
San Diego, CA 92113
CLIENT: Ninyo & Moore

N

Historical Topo Map

1975



This report includes information from the following map sheet(s).

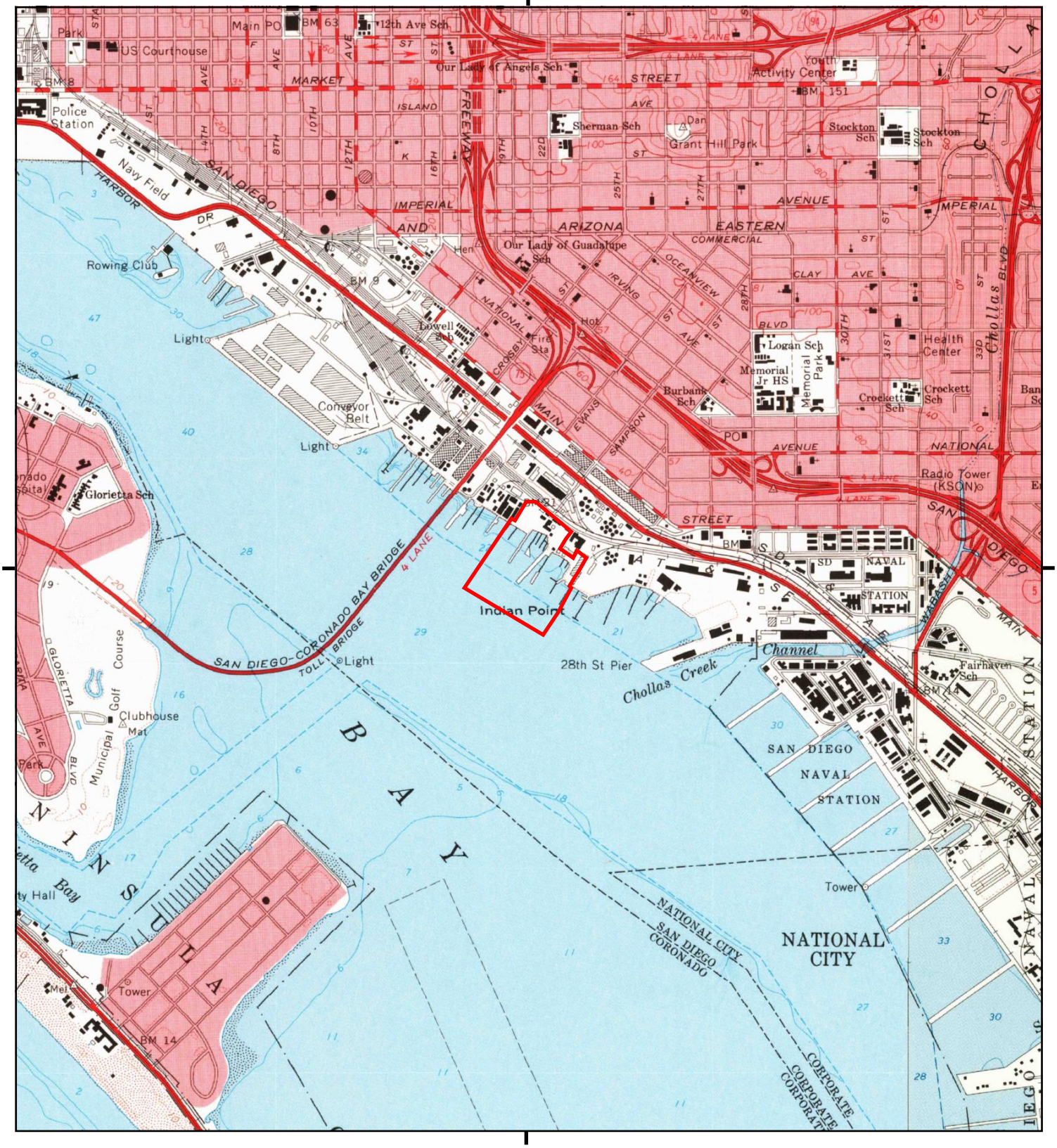
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Point Loma, 1975, 7.5-minute
E, National City, 1975, 7.5-minute

SITE NAME: BAE Waterfront Improvement Project
ADDRESS: 2205 East Belt Street
San Diego, CA 92113
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

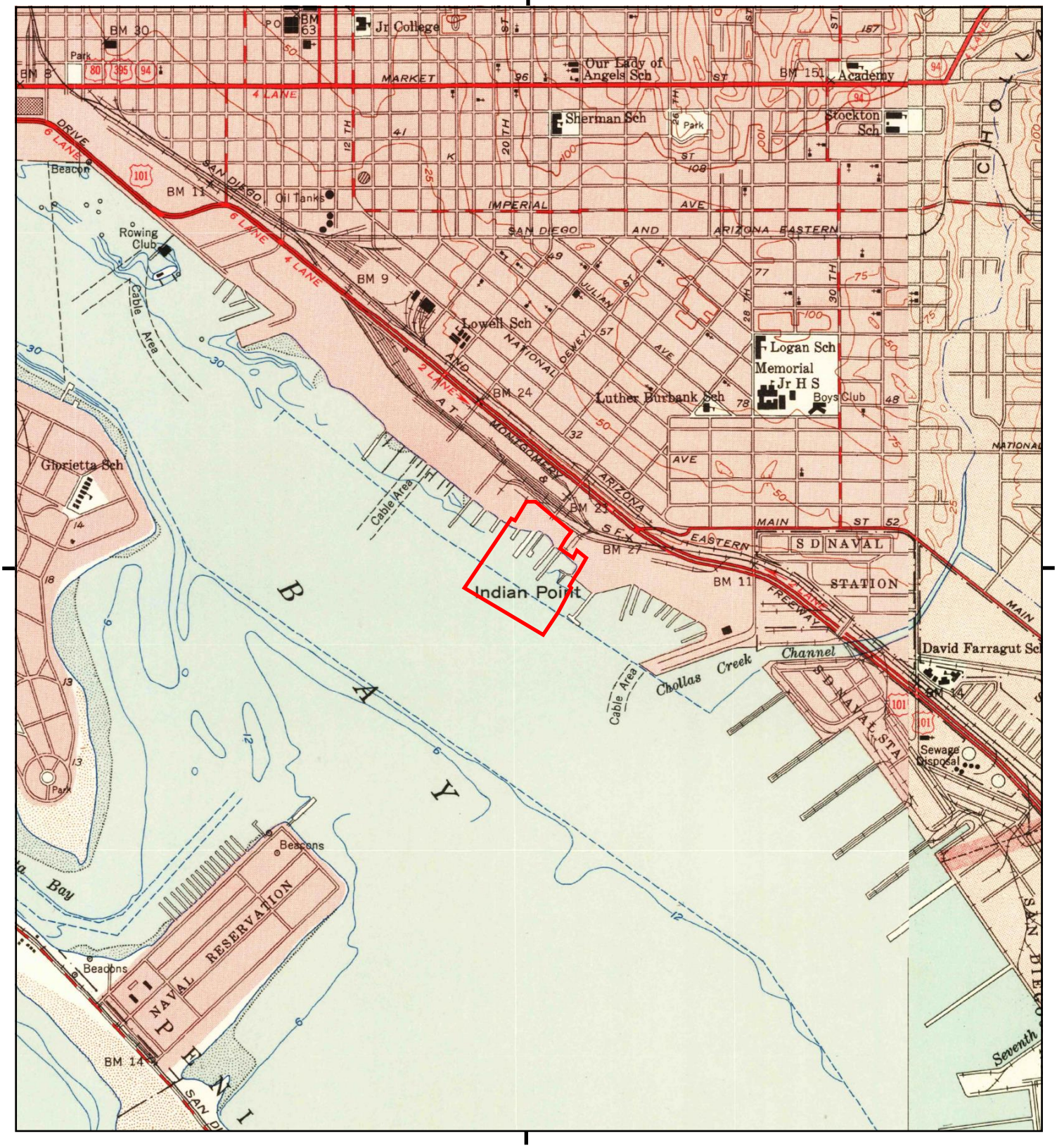
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Point Loma, 1967, 7.5-minute
E, National City, 1967, 7.5-minute

SITE NAME: BAE Waterfront Improvement Project
ADDRESS: 2205 East Belt Street
San Diego, CA 92113
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

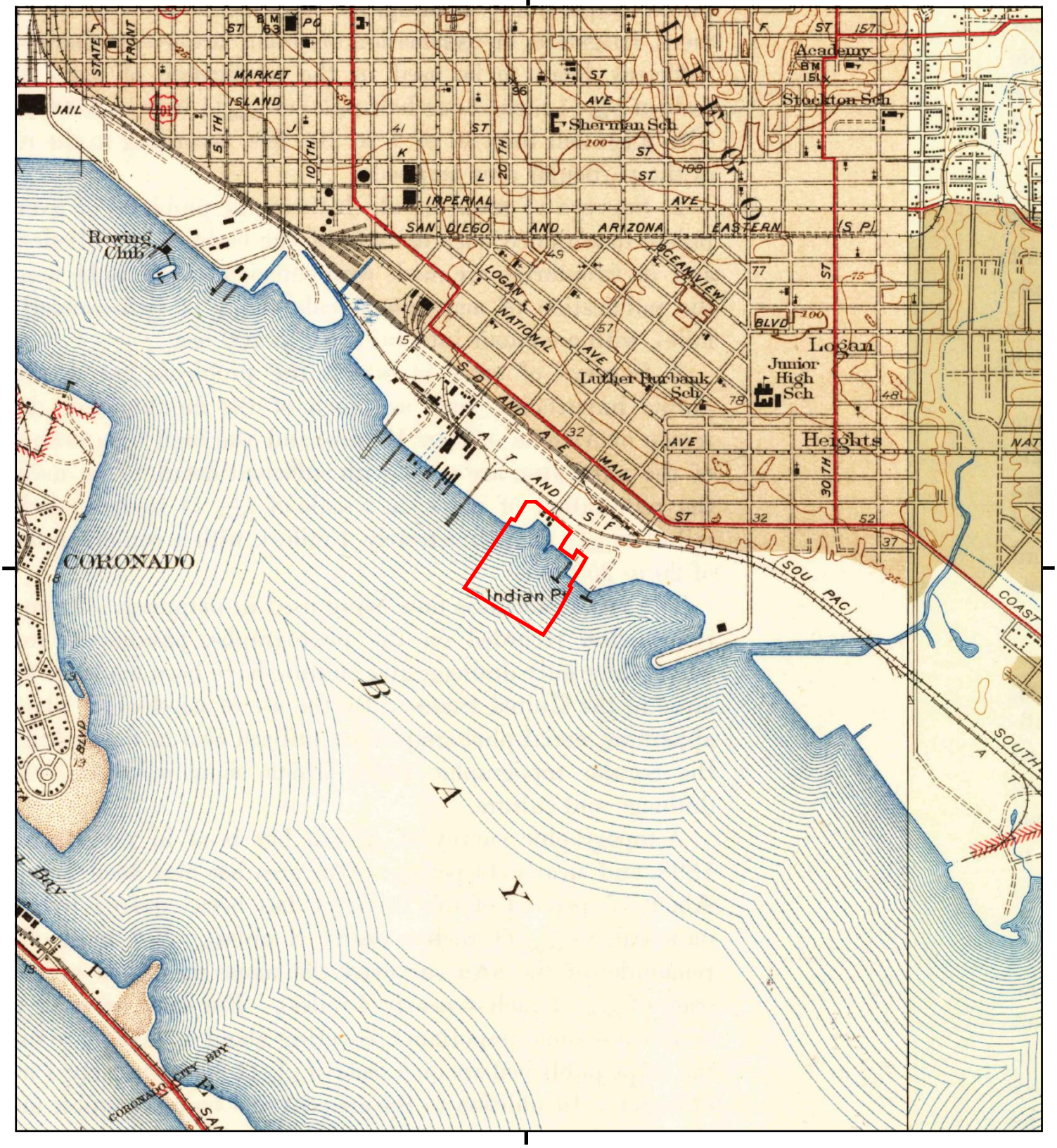
TP, Point Loma, 1953, 7.5-minute
E, National City, 1953, 7.5-minute

SITE NAME: BAE Waterfront Improvement Project
ADDRESS: 2205 East Belt Street
San Diego, CA 92113
CLIENT: Ninyo & Moore

N

Historical Topo Map

1942, 1944



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Point Loma, 1942, 7.5-minute
E, National City, 1944, 7.5-minute

SITE NAME: BAE Waterfront Improvement Project
ADDRESS: 2205 East Belt Street
San Diego, CA 92113
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

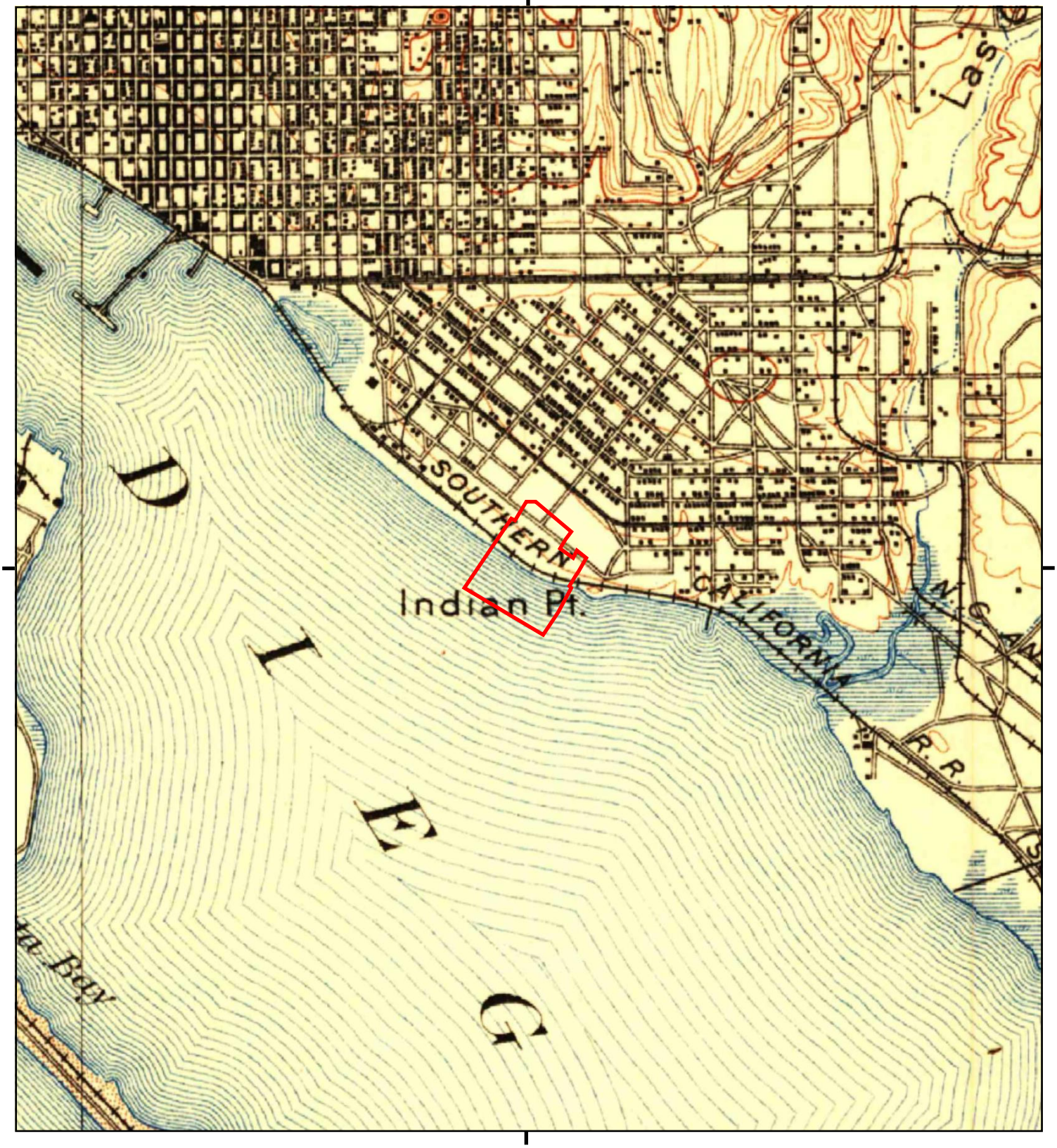
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Diego, 1930, 15-minute

SITE NAME: BAE Waterfront Improvement Project
ADDRESS: 2205 East Belt Street
San Diego, CA 92113
CLIENT: Ninyo & Moore

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Diego, 1904, 15-minute

SITE NAME: BAE Waterfront Improvement Project
ADDRESS: 2205 East Belt Street
San Diego, CA 92113
CLIENT: Ninyo & Moore

N

LA

County of San Diego

GARY PRYOR
INTERIM DIRECTOR

RICHARD HAAS
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
SITE ASSESSMENT AND MITIGATION DIVISION

July 13, 1998

Southwest Marine
Attn: Ms. Tina Best
P. O. Box 13308
San Diego, CA 92170-0308

Dear Ms. Best:

UNDERGROUND STORAGE TANK (UST) CASE
SOUTHWEST MARINE
FOOT OF SAMPSON ST., SAN DIEGO, CA
#H09689-002

This letter confirms the completion of a site investigation and remedial action for the underground storage tank currently located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the current underground storage tank is greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact Laurie Apecechea at (619) 338-2457, if you have questions regarding this matter.

Sincerely,

CHUCK PRYATEL, Chief
Site Assessment and Mitigation Division

CP:LA:kf

Enclosure

cc: Regional Water Quality Control Board
Dave Deaner, SWRCB, UST Cleanup Fund Program
Woodward-Clyde Consultants

WP/09689NF1

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION — Date: May 13, 1998

Agency Name: County of San Diego, Environmental Health, SAM	Address: PO Box 85261
City/State/ZIP: San Diego, CA 92186-5261	Phone: (619) 338-2222 Fax: (619) 338-2377
Responsible Staff Person: Laurie Apecechea	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Southwest Marine		
Site Facility Address: Foot of Sampson Street, San Diego, CA 92170		
RB LUSTIS Case No: N/A	Local Case No: H09689-002	LOP Case No: N/A
URF Filing Date: 6/03/97	SWEEPS No: N/A	
Responsible Parties	Addresses	Phone Number
Southwest Marine Inc.	P. O. Box 13308	Tina Best
	San Diego, CA 92170-0308	238-1000

Tank No.	Size in Gal.	Contents	Closed in Place/Removed?	Date
1	10,000	diesel	closed in place	1/13/98
2	-	-	-	-
3	-	-	-	-

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Release of diesel from underground storage tank system				
Site Characterization complete?	Yes	Date Approved By Oversight Agency: November 19, 1997		
Monitoring Wells Installed?	None	Number: N/A	Proper Screened Interval?	N/A
Highest GW Depth Below Ground Surface: 8 feet		Lowest Depth: 8.5	Flow Direction: tidal	
Most Sensitive Current Use: Groundwater has no designated or potential beneficial uses Surface Water having designated or potential beneficial uses for: Recreational 1 (Body contact) and/or Recreational 2				
Are Drinking Water Wells Affected?	No	Aquifer Name: basin No. 8.22 (San Diego Mesa)		
Is Surface Water Affected?	No	Nearest SW name: San Diego Bay		
Off-Site Beneficial Use Impacts (addresses/locations): None				
Report(s) on file?	Yes	Where is Report(s) Filed? County of San Diego, Environmental Health		

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	1-10,000 gallon	slurry-filled	1/13/98
Piping			
Free Product			
Soil	½ of a five gallon bucket	disposed of by TEG in San Diego	11/5/97
Groundwater			
rinsate	400 gallons	treatment at DeMeeno Kerdoon in Compton	1/13/97

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued) H09689-002

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS -- BEFORE AND AFTER CLEANUP

Contaminant	Soil(ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	N/A	<10	N/A	<.5	Xylene	N/A	<.050	N/A	<.0005
TPH (Diesel)	44,302	44,302	N/A	<.5	Ethylbenzene	N/A	<.050	N/A	<.0005
Benzene	N/A	<.050	N/A	<.0005	Oil & Grease TRPH	34,373	34,373	N/A	N/A
Toluene	N/A	<.050	N/A	<.0005	Heavy Metals	N/A	N/A	N/A	N/A
Semivolatiles-PNAs	N/A	trace	N/A	trace	Other	N/A	N/A	N/A	N/A

Comments (Depth of Remediation, etc.): During soil sampling for the tank closure in place, contamination was observed in the area of the former dispenser. 8 borings were drilled during the initial assessment to determine if there was a release. The concentration of total petroleum hydrocarbons was observed to be over 44,000 mg/kg in the weathered diesel range. Six additional borings were drilled in the area of the former dispenser and 4 groundwater samples were obtained to complete the assessment. The consultant estimates that less than 10 cubic yards of hydrocarbon impacted soil is present at a depth of 5 to 13 feet in the vicinity of the former dispenser. The presence of the contamination based on the current site use does not present a significant threat to human health or the environment according to the consultant. The most volatile component of diesel, naphthalene, has a maximum soil concentration of <.002 ppm and is not likely to produce any vapors. The Organic Vapor Monitor (OVM) reading for the boring B-9 adjacent to the contamination was ND for all three samples taken at different depths. The consultant has concluded the contamination by the dispenser is not related to the underground storage tank system. The data submitted to this office by the consultant does not validate this statement and is not relevant to this closure summary. The residual concentrations of contaminants remaining meets the April 1, 1996 guidance for protection of the bay issued by the Regional Water Quality Control Board.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes
Case oversight completed based upon the current site use as a solid waste storage area.

Site Management Requirements:

Any contaminated soil excavated as part of subsurface construction work must be managed in accordance with the legal requirements at that time.

Should corrective action be reviewed if land use changes? Yes

Monitoring Wells Decommissioned: N/A	Number Decommissioned: N/A	Number Retained: N/A

List Enforcement Actions Taken: Notice of Corrective Action and Reimbursement Responsibility

List Enforcement Actions Rescinded: N/A

V. LOCAL AGENCY REPRESENTATIVE DATA

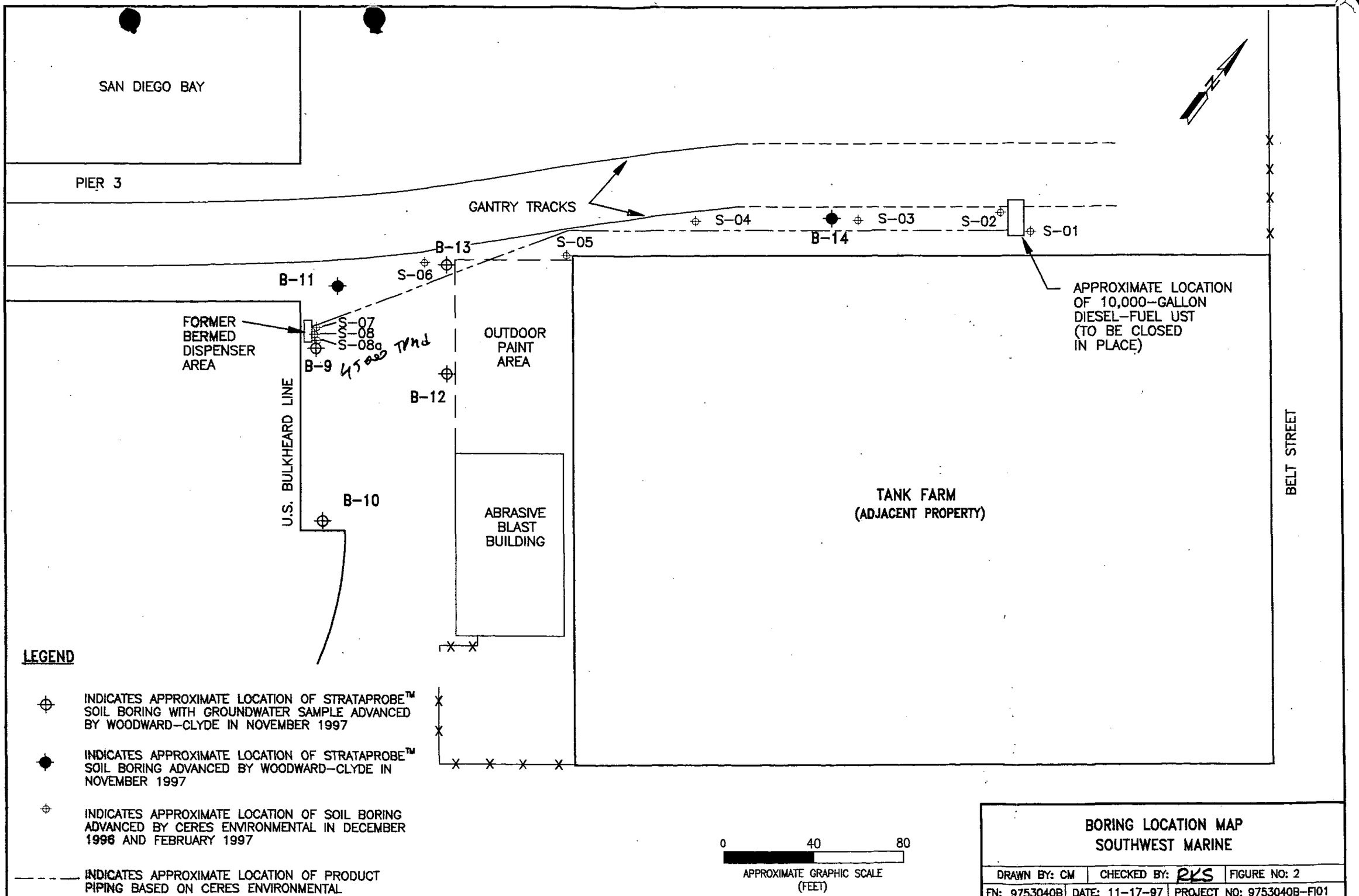
Name: Chuck Pryatel	Title: Chief Site Assessment and Mitigation
Signature:	Date: 7-10-98
Hydrogeologist Concurrence: KMN	Date: 6/19/98

VI. RWQCB NOTIFICATION

Date Submitted to RB: 6/18/98	RB Response: Concur	
RWQCB Staff Name: Laurie Walsh	Title: Sanitary Engineering Associate	Date: 7/09/98

VII. ADDITIONAL COMMENTS, DATA, ETC.

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency.



BORING LOCATION MAP
SOUTHWEST MARINE

DRAWN BY: CM	CHECKED BY: RKS	FIGURE NO: 2
FN: 9753040B	DATE: 11-17-97	PROJECT NO: 9753040B-FI01

WOODWARD-CLYDE

DM

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

October 16, 2002

Mr. John H. Robertus, Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123

Dear Mr. Robertus:

RWQCB REFERRAL - CASE NO. H09689-003
SOUTHWEST MARINE
2205 EAST BELT STREET FOOT OF SAMPSON STREET
SAN DIEGO, CA 92170-3308

Evidence of a hazardous substance release has been reported to the County of San Diego, Site Assessment and Mitigation Program (SAM) by Mr. Kenneth Peterson, Southwest Marine, Inc., on October 3, 2002. I am referring this case to you for follow up. The property owner is Southwest Marine Inc., P.O. Box 13308, San Diego, CA 92170-3308, (619) 238-1000. The Department of Environmental Health (DEH) requests the Regional Water Quality Control Board take whatever action is deemed appropriate for the site.

The suspected source or amount of the release is unknown. The release was detected by a phase II site assessment. Copies of the notification letter, site assessment report, and SAM response are enclosed for your information.

If you have questions or comments, please contact Danny Martinez at (619) 338-2456.

Sincerely,

JACK MILLER, Chief
Land and Water Quality Division

JM/DM/kd

Enclosures

cc: John Anderson, RWQCB
Kenneth Peterson, Southwest Marine, Inc.

WP/H09689-RWQCB-1002

EnecoTech Southwest, Inc.
6160 Fairmount Ave. • Suite A
San Diego, CA 92120
(619) 299-0033 • Fax (619) 299-0087
Lic. #A-773774

EnecoTech
STRATEGIES FOR ENVIRONMENTAL RESPONSIBILITY

RECEIVED
2002 DEC 3 AM 9 40
D. E. H.
MAILROOM

Project 1937-001

November 15, 2002

Mr. Ken Peterson
Senior Environmental Coordinator
Southwest Marine, Inc.
2205 East Belt, Foot of Sampson
San Diego, California 92170-3308

H09689-003

RE: Additional Soil and Groundwater Investigation Southwest Marine
2205 East Belt, Foot of Sampson, San Diego, California
Permit #W100736; A.P.N. #760-022-06; EST #H09689

Dear Mr. Peterson:

EnecoTech Southwest, Inc. (EnecoTech) is pleased to present Southwest Marine, Inc. (Client) with this report of additional soil and groundwater investigation at the subject site located at 2205 East Belt, Foot of Sampson, San Diego, California (Figure 1). This report details soil and groundwater sampling activities conducted on October 28, 2002.

BACKGROUND

The Southwest Marine, Inc. facility is located in the City of San Diego on the eastern portion of San Diego Bay. This area has reportedly been used to ship repair and other industrial uses for over 100 years. On July 10, 2002, petroleum hydrocarbon-impacted soil was encountered onsite during the installation of a below ground electrical conduit. Soil samples collected from the sides and bottom of the trench were submitted for analysis. Analysis of the soil samples by modified EPA Method 8015 revealed hydrocarbon concentrations of up to 5,200 ppm, with a carbon range of diesel fuel or waste oil.

On September 11 and 16, 2002, EnecoTech performed eighteen borings and collected soil samples to assess the impact to soil and groundwater onsite. The northern and eastern limits of impact to soil by total petroleum hydrocarbons as diesel (TPHd) and volatile TPH (TPHv) were delineated. Delineation of the extent of TPHv impacted soil along the western and southern limits was also achieved. The western limit of TPHd impact is assumed to occur at the sea wall located west of the areas of investigation. The southern limit of impact from TPHd was not delineated. Impact from TPHd appears to be present in the greatest concentration at 8 and 9 feet below ground surface (bgs). Groundwater was encountered at depths of 7.8 to 10.9 feet bgs. Impact appears to be limited in depth to just below the groundwater surface.

The northern and eastern limits of impact to groundwater by TPHv and TPHd were delineated. Delineation of the extent of TPHv-impacted groundwater along the western limit was also achieved. The western limit of TPHd impacted groundwater is assumed to occur at the sea wall. The southern limit of TPHv and TPHd impact to groundwater was not achieved. Based upon the findings of the investigation, the Client requested additional assessment of soil and groundwater impact to the southern extent of impact.

FIELD ACTIVITIES

On October 28, 2002, EnecoTech mobilized to the subject site to perform five borings. Prior to drilling, EnecoTech obtained boring permits from the County of San Diego, Department of Environmental Health (DEH). EnecoTech contacted Underground Service Alert of Southern California to identify public utilities, and retained a private utility location service to locate private utilities located within the area of investigation to provide clearance for borings. During onsite activities, an exclusion zone was created and maintained using cones and barricades to protect employees onsite during drilling activities. Upon arrival of the drilling crew, a "tailgate" safety meeting was performed between the site safety officer (onsite scientist) and the drilling crew regarding the site safety plan. All personnel working at the site were required to use Level D personal protective equipment including a hard hat, nitrile or disposable gloves, steel-toed boots, and safety glasses.

Drilling activities were performed with a StrataProbe® by HP Labs, a California licensed driller. The borings were started by hand auguring to a depth of approximately 3 feet bgs to ensure that no private utilities were present. Soil samples were collected with a split spoon sampler at 5 feet and 10 feet bgs in each boring. Sample depths were selected in an attempt to collect samples from above and at the capillary fringe, which was expected to exist at approximately 10 feet bgs based upon the previous investigation. Soil samples were continuously logged and field-screened for hydrocarbon vapors using a Photo-Ionization Detector (PID) according to EnecoTech Standard Procedures provided in Appendix A.

Borings B19, B20, B22, and B23 were advanced to approximately 12 feet bgs for soil and groundwater sample collection. The location of these borings is depicted on Figure 2. Saturated soils and groundwater were initially encountered at approximately 11 feet bgs. A temporary well casing that screened from 7 feet to 12 feet bgs was placed in each of these borings. Depth to groundwater stabilized at 10.8 feet to 11.3 feet bgs. Once groundwater samples were collected, the well screen was taken out and the boring was filled with fine chip bentonite to within 5 inches of the surface, which was then patched with asphalt. Soil boring B21 was advanced to approximately 11 feet bgs for soil collection. Care was taken to not extend the boring below the groundwater surface.

Soil Description

The borings were placed north and south of the carpentry building (Figure 2). A surface pavement of approximately five inches of asphalt was encountered in each boring. Soil encountered in the borings generally consisted of dark yellowish brown, moderate yellowish brown, or moderate brown fine sand with silt underlying the asphalt to a depth of 11 feet or 12 feet bgs. Further details concerning the conditions encountered during soil sampling are provided on the boring logs in Appendix A. Soil boring logs and all field data were reviewed by a California Registered Geologist.

Soil and Groundwater Sampling

A total of eleven soil samples were retrieved from the five borings and transported under chain-of-custody to a California State-certified laboratory for analysis. Ten soil samples (two from each boring) were analyzed by EPA Method 8015 for C_8-C_{40} range TPHd. Four soil samples were analyzed by EPA Method 8105/8021 for TPHv, and benzene, toluene, ethylbenzene, and xylenes (BTEX).

Five groundwater samples were analyzed for TPHd, TPHv, and BTEX. Groundwater was grab sampled using new disposable sampling equipment. A new temporary well casing 12 feet in length with five feet of screen was placed in each boring for sample collection. Groundwater samples were stored in non-preserved 1-liter amber glass containers and VOA containers preserved with hydrochloric acid.

Recycled Paper

EnecoTech® STRATEGIES FOR ENVIRONMENTAL RESPONSIBILITY

All soil and groundwater samples collected were stored in an ice chest with "blue ice" and kept cold until delivered to a local California State-certified laboratory for analysis. All field activities were performed under the supervision of a California Registered Geologist.

SOIL SAMPLE ANALYSIS

Laboratory Results

Ten samples (two from each boring) were analyzed for TPHd. Four soil samples from borings B20, B21, B22, and B23 were analyzed for TPHv and BTEX. The laboratory report with chain-of-custody forms is presented in Appendix B. Analytical results for soil samples collected from this event and the previous events in September 2002 are presented in Table 1 and illustrated on Figure 2. Results for TPHd, TPHv, MTBE, and BTEX are presented in mg/kg.

Soil samples collected from all borings contained detectable concentrations of TPHd except for B19-4', B20-11', B21-5', B21-11', and B23-5'. TPHd results for these samples were below the laboratory detection limit of <10 mg/kg. Detectable TPHd concentrations ranged from 15 mg/kg in B22-10' to 420 mg/kg in B20-5'. TPHv was not detected in any of the soil samples analyzed at the laboratory detection limit of <1.0 mg/kg. The soil samples analyzed did not contain BTEX at the respective laboratory detection limits.

GROUNDWATER SAMPLE ANALYSIS

Laboratory Results

Four groundwater samples were analyzed for TPHd, TPHv, and BTEX. The laboratory report with chain-of-custody forms is presented in Appendix B. Analytical results for groundwater samples collected during this event and the previous events in September 2002 are presented in Table 2 and illustrated in Figure 3. Results for TPHd are presented in mg/l, and results for TPHv and BTEX are presented in µg/l.

Groundwater samples collected from B19, B20, and B23 contained detectable concentrations of TPHd. TPHd was not detected in B22 at a laboratory detection limit of <0.50 mg/l. TPHd concentrations ranged from 0.85 mg/l in B23 to 76 mg/l in B19. TPHv was only detected in two of the four groundwater samples, in B19 at 6,000 µg/l and in B20 at 250 µg/l. Benzene was detected in samples from B19 at 14 µg/l and from B20 at 0.31 µg/l. Benzene was not detected in samples B22 and B23 at a detection limit of <0.30 µg/l. Water samples were not tested for MTBE.

DISCUSSION

Soil sample data from the previous and current sampling events appear to have delineated the extent of petroleum hydrocarbon impact within the area of investigation, which occurs in the vicinity of the intersection of two access roadways near Pier 3 extending south of the carpentry building. The area of TPHd impact appears to exist over an area of approximately 265 feet north to south and 165 feet east to west and is centered on borings, B1, B2, B3, and B4. The greatest area of impact for TPHd is centered along the intersection of the two access roadways at concentrations up to 15,000 mg/kg. TPHv impact appears to extend over an area of approximately 125 feet north to south and 55 feet east to west and is centered within the area of investigation at concentrations of up to 2,200 mg/kg. BTEX in soil appears to be confined to areas where TPHv was detected. The greatest concentrations of TPHd in soil were found in samples collected from depths of 8 feet to 9 feet bgs.

Recycled Paper

EnecoTech
STRATEGIES FOR ENVIRONMENTAL RESPONSIBILITY

Groundwater samples from previous and current sampling events appear to have delineated the extent of petroleum hydrocarbon impact within the area of investigation. TPHd and TPHv impacted groundwater appears to exist over an area of approximately 265 feet north to south and 125 feet east to west and is centered in the intersection of two access roads. The area of greatest THPv is present along the access roadway just north of the carpentry building at concentrations up to 6,000 µg/l.

CONCLUSION

The southern limit of impact to soil by TPHv, BTEX, and TPHd has been delineated. Combined with previously collected soil samples, the delineation of soil impact has been achieved. The most impacted area of soil by TPHv and TPHd is generally limited to the area of the north-south access roadway. Impact from TPHd appears to generally occur between 5 feet and 10 feet bgs throughout the area of investigation. Sample analysis did not detect the presence of TPHv and BTEX in soil samples collected in the southern limit of the site.

The southern limits of impact to groundwater by TPHv, BTEX, and TPHd have been delineated. Combined with previously collect groundwater samples, the delineation of groundwater impact has been achieved. Trace amounts of TPHd are present in groundwater in the southern limit of the site. However, these concentrations are not significant.

The source of the impact to soil appears to have originated on the property within the area of investigation. This conclusion is based upon the decrease in hydrocarbon concentrations in soil north, west, east, and south of the investigation. The area of greatest TPHv concentrations in groundwater is located northwest of the carpentry building.

RECOMMENDATIONS

EnecoTech recommends submitting this report to the DEH for comment prior to performing additional actions, as cleanup goals for the subject site do not appear to have been established.

EnecoTech appreciates the opportunity to provide environmental consulting services to Southwest Marine, Inc. We look forward to being of continued service. If you have any questions or concerns regarding this report, please contact the undersigned at your convenience at (619) 299-0033.

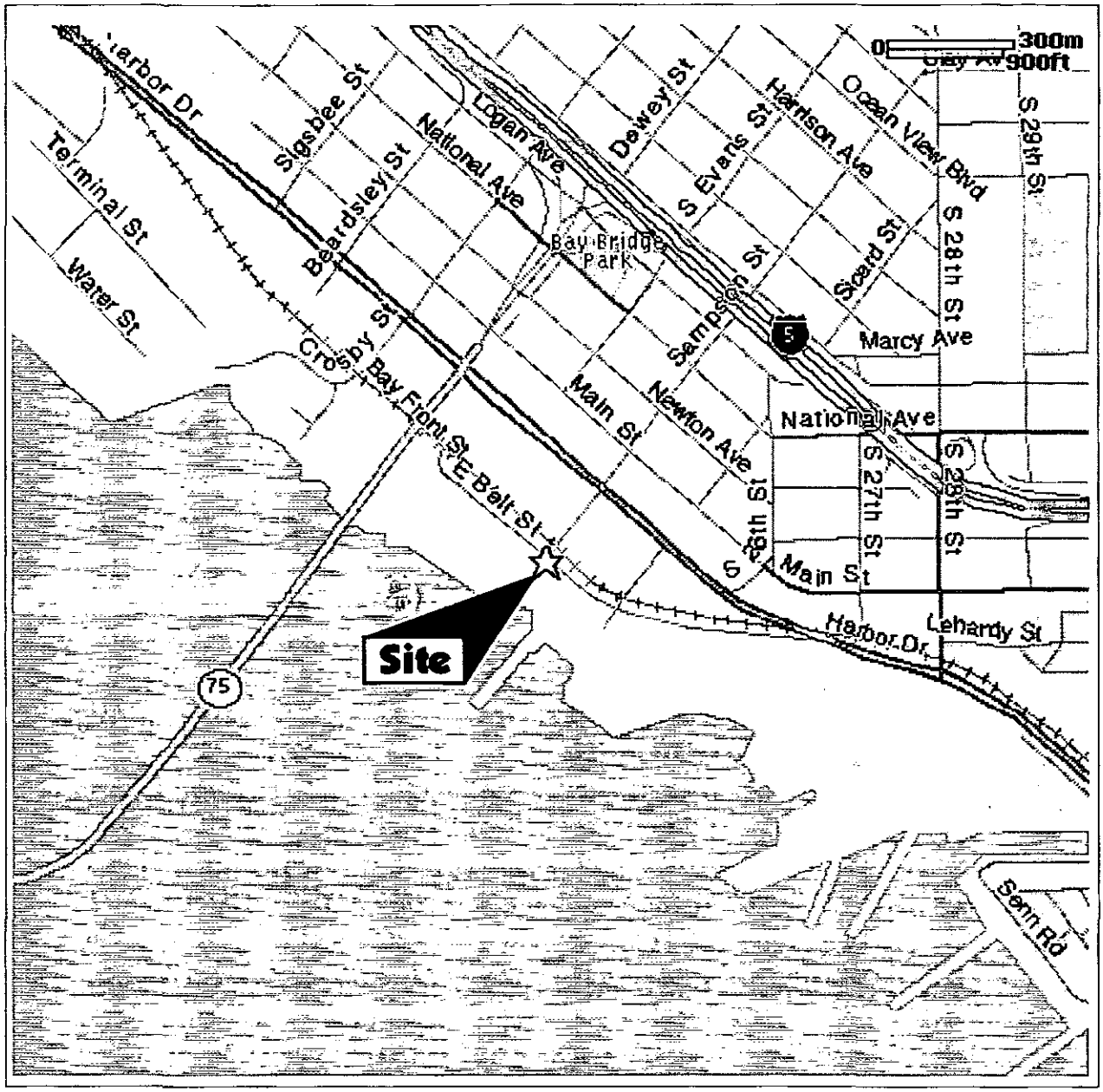
Sincerely,
ENECOTECH SOUTHWEST, INC.

Marilet Apacible
Staff Scientist

John Royal, RG 6757
Senior Project Geologist

Attachments: Figures 1, 2, and 3
Tables 1 and 2
Appendices A and B

FIGURES



Reference Map Quest.

EnecoTech
STRATEGIES FOR ENVIRONMENTAL RESPOSIBILITIES

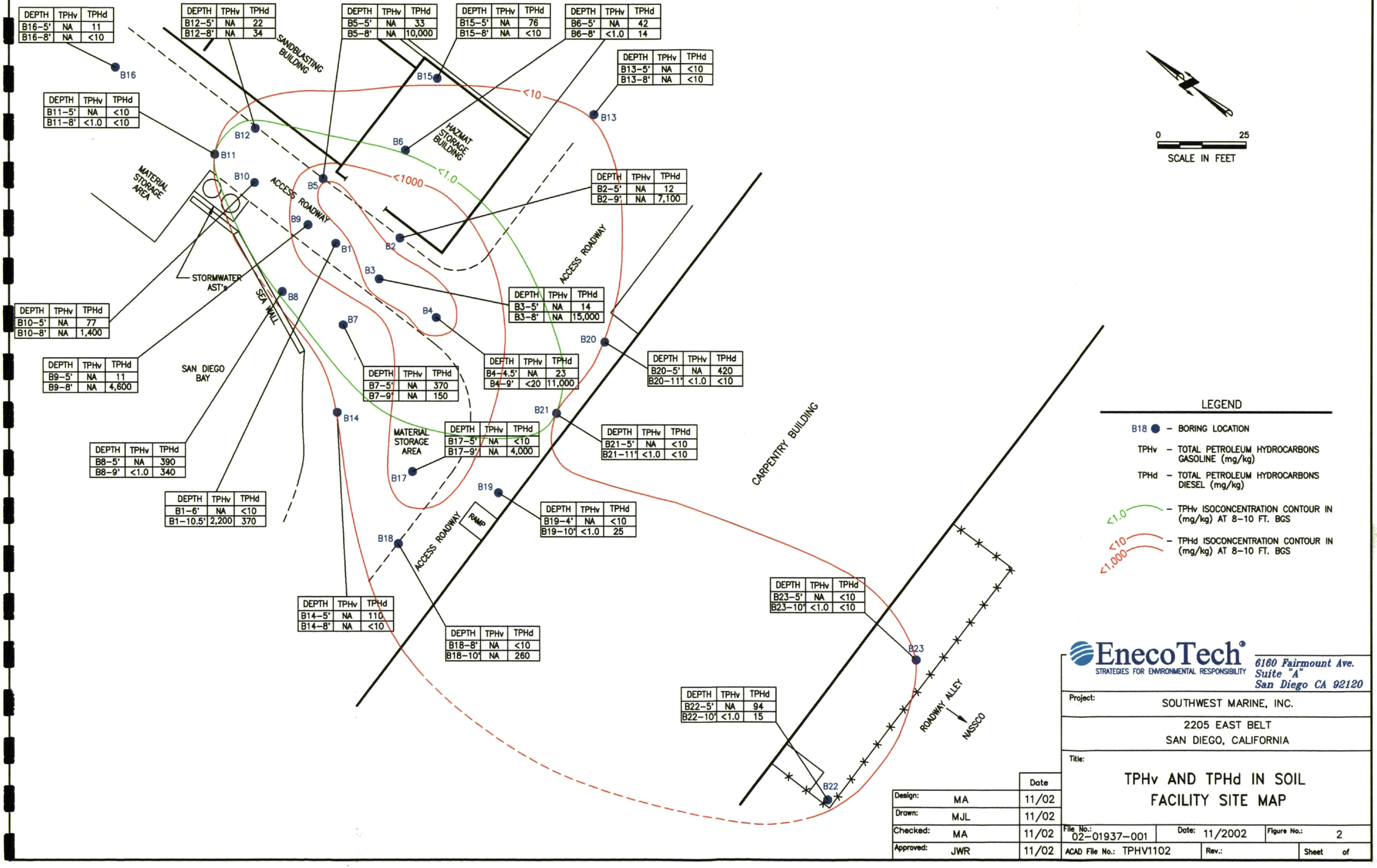
SOUTHWEST MARINE, INC.

2205 EAST BELT
SAN DIEGO, CALIFORNIA

SITE LOCATION MAP

File No.:	ACAD File No.:	Date:	Rev.:
02-01937-001	FIG1	10/2002	

Drawn By:	Design By:	Checked By:	Approved By:	Figure. No.:
		MA	JWR	1



EnecoTech®
STRATEGIES FOR ENVIRONMENTAL RESPONSIBILITY

6160 Fairmount Ave.
Suite "A"
San Diego CA 92120

Project: SOUTHWEST MARINE, INC.

2205 EAST BELT
SAN DIEGO, CALIFORNIA

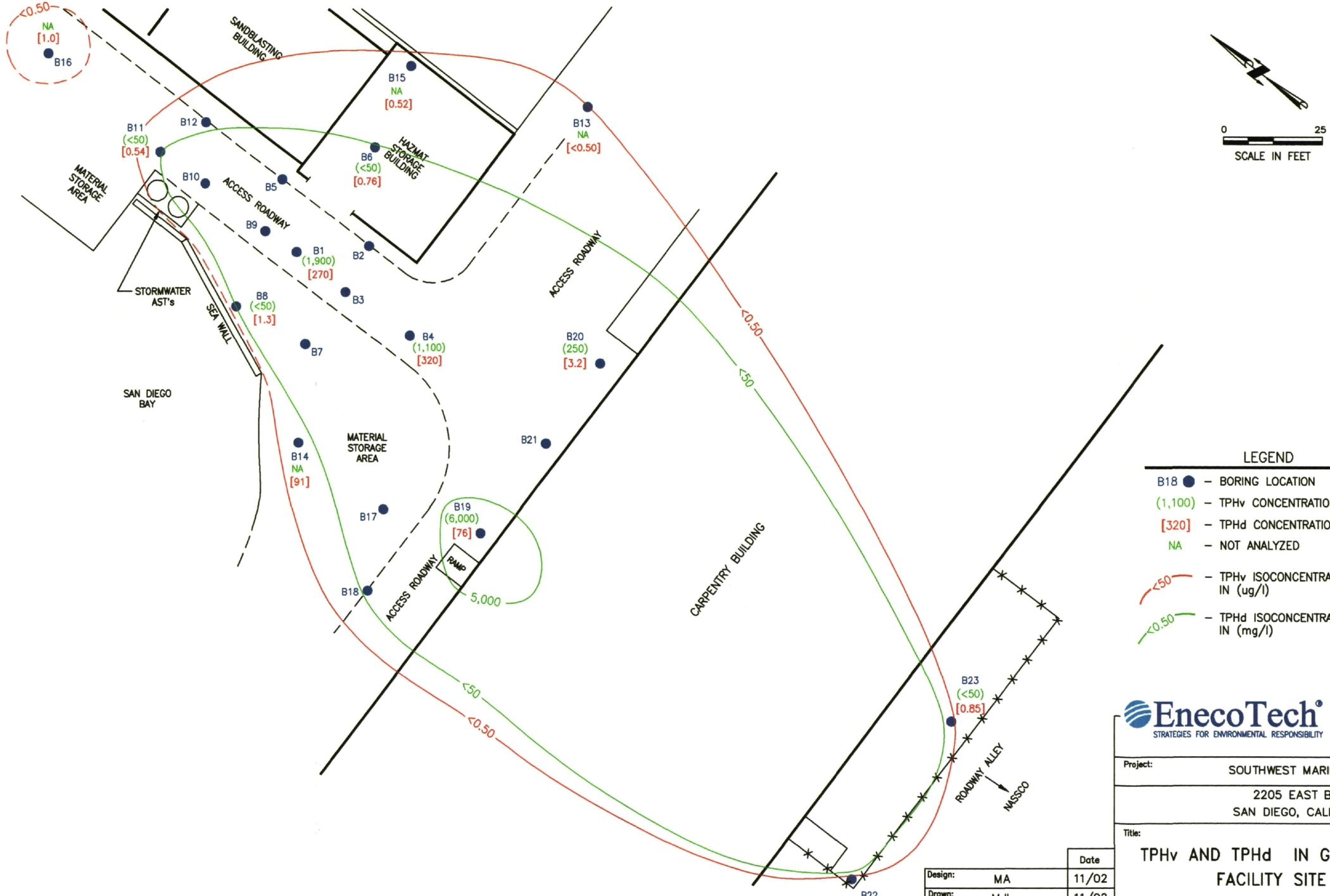
Title:

TPHv AND TPHd IN SOIL FACILITY SITE MAP

		Date
Design:	MA	11/02
Drawn:	MJL	11/02
Checked:	MA	11/02
Approved:	JWR	11/02

File No.: 02-01937-001 | Date: 11/2002 | Figure No.: 2

ACAD File No.: TPHV1102 | Rev.: | Sheet of



LEGEND

- B18 ● – BORING LOCATION
- (1,100) – TPHv CONCENTRATION (ug/L)
- [320] – TPHd CONCENTRATION (mg/L)
- NA – NOT ANALYZED
- <50 – TPHv ISOCONCENTRATION CONTOUR IN IN (ug/l)
- <0.50 – TPHd ISOCONCENTRATION CONTOUR IN IN (mg/l)

EnecoTech
STRATEGIES FOR ENVIRONMENTAL RESPONSIBILITY
6160 Fairmount Ave.
Suite "A"
San Diego CA 92120

Project: SOUTHWEST MARINE, INC.

2205 EAST BELT
SAN DIEGO, CALIFORNIA

Title:

TPHv AND TPHd IN GROUNDWATER FACILITY SITE MAP

		Date
Design:	MA	11/02
Drawn:	MJL	11/02
Checked:	MA	11/02
Approved:	JWR	11/02

File No.: 02-01937-001 | Date: 11/2002 | Figure No.: 3
ACAD File No.: TPHd1102 | Rev.: | Sheet of

SITE ASSESSMENT REPORT
LANDSIDE TIDELANDS LEASE AREA
SILVER GATE POWER PLANT
San Diego, California
July 14, 2004

PREPARED FOR:

SAN DIEGO GAS AND ELECTRIC COMPANY
555 West Fifth Street
Los Angeles, California 90013-1011

PREPARED BY:

ENV America Incorporated
2247 San Diego Avenue, Suite 135
San Diego, California 92110
ENV America Project No. SDG-01-T002.420

ENV AMERICA

TABLE OF CONTENTS

ACKNOWLEDGMENT AND SIGNATURE PAGE IV

DISCLAIMER V

1.0 INTRODUCTION 1

1.1 General Project Description 1
1.2 Site Location and Description 1
1.3 Objectives 1

2.0 BACKGROUND INFORMATION 3

2.1 Plant Operations and History 3
2.2 History of Wastewater Operations on Parcel 2 4
2.3 Geology and Hydrogeology 5
2.4 Site Conceptual Model 6

3.0 SUMMARY OF SITE INVESTIGATION ACTIVITIES 7

3.1 Overview 7
3.2 Preliminary Activities 7
3.3 Sampling Methodology 7
3.4 Quality Control Samples 8
3.5 Equipment Decontamination 9
3.6 Investigation-derived Waste 9
3.7 Worker Health and Safety 9

4.0 ANALYTICAL TESTING 10

4.1 Analytical Program 10
4.2 Soil Sample Analytical Results 10
4.3 Groundwater Sample Analytical Results 11

5.0 CONCLUSIONS AND RECOMMENDATIONS 13

6.0 REFERENCES 14

TABLE OF CONTENTS
(Continued)

LIST OF TABLES

Table 1 Soil Analytical Results
Table 2 Groundwater Analytical Results

LIST OF FIGURES

Figure 1 Tidelands Site Location Map
Figure 2 Site Plan and Boring Locations
Figure 3 Cross-Section Locations
Figure 4 Cross-Sections
Figure 5 Summary of TPH Results in Soil
Figure 6 Summary of TPH Results in Groundwater

LIST OF EXHIBITS

Exhibit A Historical Information
Exhibit B Boring Logs
Exhibit C Permits
Exhibit D Analytical Laboratory Report and Chain of Custody Record

SITE ASSESSMENT REPORT
LANDSIDE TIDELANDS LEASE AREA
SILVER GATE POWER PLANT
San Diego, California

ACKNOWLEDGMENT AND SIGNATURE PAGE

This Site Assessment Report was prepared by ENV America Incorporated (ENV America) on behalf of the San Diego Gas and Electric Company (SDG&E).



Thomas J. Mulder, R.G., C.E.G., C.HG.
Senior Project Manager, ENV America Incorporated

7-14-2004
Date

SDPORT-NASSCO-003148

DISCLAIMER

This Site Assessment Report of the Tidelands Lease Area at Silver Gate power Plant (Report) was prepared for the sole use and benefit of the San Diego Gas and Electric Company (Client) and for the specific Site known as Silver Gate Power Plant Landside Tidelands Lease Area, located at the foot of Sampson Street, San Diego, California 92113. Neither this Report, nor any of the information contained herein, shall be used or relied upon for any purpose by any person or entity other than the Client and for the Site.

ENV America makes no warranty as to the accuracy of statements made by others which are contained in this Report, nor are any other warranties or guarantees, express or implied, included or intended in this Report with respect to information supplied by outside sources or conclusions or recommendations substantially based on information supplied by outside sources. This Report has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing the same or similar services.

None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings of fact from records examined.

1.0 INTRODUCTION

1.1 General Project Description

This Site Assessment Report (Report) was prepared by ENV America Incorporated (ENV America), on behalf of the San Diego Gas and Electric Company (SDG&E), to investigate possible soil and groundwater impacts related to past use of wastewater ponds located southwest of the Silver Gate Power Plant in San Diego, California (Figures 1 and 2).

This Report summarizes the results of an investigation conducted in accordance with the *Workplan for Site Assessment, Former Wastewater Ponds, Silver Gate Power Plant* (Workplan) (ENV America, 2002). This investigation was conducted to determine if adverse residual chemical impacts exist below two former ponds. The investigation scope of work included the collection and analysis of soil and water samples from seven hydraulic–push borings. Eight borings were originally proposed; however, only seven were drilled due to access restrictions. Field activities were conducted in August 2003.

1.2 Site Location and Description

The area of interest (the Site) is located between Belt Street and San Diego Bay, at the foot of Sampson Street, southwest of the Silver Gate Power Plant in the City of San Diego (City), California (Figures 1 and 2). The property has Assessors Parcel Number 760-022-06.

SDG&E leases the land from the Port of San Diego (Port). Exhibit A includes a copy of SDG&E's Use and Occupancy Agreement, which describes the legal boundaries of the land that SDG&E leases from the Port. The current occupants of the Site are Southwest Marine and ISP Alginates. Southwest Marine and ISP Alginates occupy the Site via sublease agreements.

1.3 Objectives

The primary objective of this investigation was to characterize the potential residual contamination that may be present on the Site due to former wastewater pond operations. In the next few years, SDG&E plans to disassemble and remove the power

SDPORT-NASSCO-003150

plant, and SDG&E plans to terminate the associated leases of adjacent properties, including the Site. As part of terminating these leases, SDG&E intends to restore the properties to a condition that is mutually agreeable to SDG&E and the property owners. SDG&E requested that ENV America conduct this site assessment to determine Site conditions, to aid in determining if Site conditions warrant restoration activities.

2.0 BACKGROUND INFORMATION

This investigation focused on potential impacts from the two former wastewater ponds located on the Site. The ponds were identified in historical documents and are referred to here and in the site investigation workplan (ENV America 2002) as Pond A and Pond B.

After the site investigation field work was completed, a number of additional historical photographs were obtained, which indicated that there were two additional wastewater structures on the Site. The additional wastewater structures apparently were oil/water separators. We have named these features Structure C and Structure D.

The following section provides a brief history of the Silver Gate Power Plant operations relating to the Site.

2.1 Plant Operations and History

The Silver Gate Power Plant includes four electric generating units contained within a powerhouse. The power house contains six boilers which supplied steam to four steam turbine generating units, known as Units 1 through 4. The Silver Gate Power Plant was built between 1943 and 1952, and operated until the mid-1980s. All of the power plant's operating permits and licenses have expired.

The plant operated almost continuously from 1943 to 1974. The power plant was used intermittently after 1974 to meet peak demands, but generally ran at minimal capacity. The boilers initially burned fuel oil, and in later years were converted to burn both natural gas and fuel oil.

Water from the bay was used as once-through, non-contact cooling water in the power plant. The cooling water was transmitted via four tunnels (two intake tunnels and two discharge tunnels) constructed upon land that SDG&E leased from the Port and the Atchison, Topeka and Santa Fe (AT&SF) Railway. Each of the four tunnels had cross-sectional dimensions of approximately 8 feet wide by 8 feet tall. The non-contact cooling water was passed through tube-type condensers to condense the steam.

The power plant and associated switchyard and substations are located on property owned by SDG&E. The circulating water tunnels (CW tunnels) are located on leased land (Figure 2).

The leased land comprises the following parcels.

AT&SF Railway Land

- Land that is currently occupied by parking lots and railroad tracks

Port Land

- Parcel 1, land that is currently occupied by Belt Street
- Parcel 2, land that is currently occupied by ISP Alginates, Inc., a chemical manufacturer, and Southwest Marine, a shipyard
- Parcel 3, a wharf lease (submerged tidelands).

2.2 History of Wastewater Operations on Parcel 2

This Section describes the wastewater operations on Parcel 2.

Historical photographs were obtained from SDG&E, the San Diego Historical Society and the County of San Diego Department of Planning and Land Use Cartography Department. Copies of the historical photographs are included in Exhibit A. The photographs indicate that there were two wastewater ponds and two subgrade oil/water separators on Port Parcel 2.

- Wastewater settling/evaporation ponds
  - Pond visible in photographs from 1952 (herein named Pond "A")
  - Pond visible in photographs from 1966 to 1973 (Pond "B")
- Oil/water separator structures
  - Structure visible in photographs from 1950 to 1952 (herein named Structure "C")
  - Structure visible in photographs from 1959 (Structure "D")

The photographs allowed us to plot the locations these four structures on a scaled site map (see Figure 2). The photographs from 1952 also indicate a surface spill occurred in 1952 when a plug in piping led to overflow of liquid onto adjacent ground.

An illustration prepared by Southwest Marine Construction Company in 1970 (see Exhibit A) showed a proposed ship haul-out that was to be constructed over Pond B. Aerial photographs indicate that the planned structure was not built.

SDPORT-NASSCO-003153

An internal SDG&E memorandum from 1974 described Pond B as an oil-water settling pond, and included a drawing that illustrated how the pond received wastewater from the bilge trenches of the power house. The memo stated that the pond had reached its capacity; therefore, the memo concluded that it could not be relied upon for future use and proposed alternatives. In 1977, SDG&E completed construction of a wastewater treatment plant. Many plant documents indicate that this plant was used to treat bilge wastewater from the power plant. The records indicate that use of Pond B ceased circa 1974.

Today there is no visible surface evidence of the former ponds and structures.

2.3 Geology and Hydrogeology

The following description of geology and hydrogeology is in part based on a recent geotechnical investigation of Belt Street (Allied Geotechnical Engineers, 2000).

Belt Street follows the former Bay shoreline. In the 1930s the land southwest of Belt Street was created by placement of fill dredged from the Bay (see historical photographs in Exhibit A). Consequently, the shallow geology northeast of Belt Street is different from the shallow geology southwest of Belt Street.

Northeast of Belt Street, there are three shallow stratigraphic units:

- Variable thickness of fill soil
- Five to 10 feet of alluvium/colluvium
- Pleistocene terrace deposits (also known as the Bay Point Formation).

The alluvium and colluvium are generally described as tan to gray, dense silty sand. The Pleistocene terrace deposits are described as brown to gray brown, poorly cemented, dense to very dense silty sand.

The fill deposits south of Belt Street are reportedly hydraulically dredged Bay material. Allied Geotechnical Engineers (2000) described the Bay deposits below Belt Street as medium to dark gray, loose to dense silty sand with occasional layers of organic–rich material, lean sandy clay, and shell fragments.

The property and surrounding area are located within the Chollas Hydrologic Sub Area (HSA 8.22), which is designated as a non-beneficial groundwater use area by the San Diego Regional Water Quality Control Board (RWQCB).

Field observations of Parcel 2 indicate that the surface soil is a silty fine sand with shell fragments. Underlying fill soil, as recorded on boring logs in Exhibit A, is generally poorly graded sand with shell fragments. The depth to groundwater in Parcel 2 was approximately 10 feet below ground surface (bgs) in August 2003.

2.4 Site Conceptual Model

Based on the six borings advanced through the locations of the former ponds and one boring advanced adjacent to the former Pond B, each pond generally has the following stratigraphy:

- 0 to 6 inches bgs: Pavement
- 6 inches to 3 feet bgs: Fill soil
- 3 to 5 feet: minor staining of fill soil possibly from pond operations (Pond B only)
- 5 to 20 feet bgs: Fill soil
- >20 feet bgs: Beach and near-shore sediments (not confirmed during drilling)

Cross-sections A-A' and B-B' depict the subsurface beneath the former wastewater Ponds A and B. Cross-section locations are shown on Figure 3 and cross-sections A-A' and B-B' are on Figure 4.

The potential receptors of concern are industrial workers or construction workers, who could be exposed to soil by subsurface excavation activities; and the Bay, which could be impacted by potential lateral migration of groundwater.

3.0 SUMMARY OF SITE INVESTIGATION ACTIVITIES

3.1 Overview

The Site investigation was conducted in accordance with a Workplan prepared by ENV America (2002). Of the eight proposed boring locations, only seven were advanced due to access restrictions. Fieldwork was conducted on August 7, 2003.

3.2 Preliminary Activities

A Site visit was performed prior to the initiation of drilling to reconnoiter the proposed work area. To minimize the potential for damage to underground utilities, Underground Service Alert (commonly referred to as "USA" or "Dig Alert") was notified so that local utilities could mark underground lines in the Site vicinity. A geophysical survey was conducted to identify any obstructions or utilities in the area of the borings.

Permits were secured from the County of San Diego Department of Environmental Health and the Port of San Diego. Copies of the permits are included in Exhibit C.

3.3 Sampling Methodology

Seven of the eight proposed boreholes were advanced directly below or adjacent to the footprint of the two former ponds for the purposes of soil sample collection and groundwater investigation (Figures 2 and 3). Access restrictions prevented drilling at one of the proposed locations. The borings were advanced using a direct-push drill rig. Gregg Drilling and Testing, Inc., of Signal Hill, California, provided a Marl 5T, rubber track-mounted drill rig and support vehicles.

A garage-type building is located within the footprint of Pond B; therefore, one boring was advanced immediately northwest of the footprint of Pond B. Each boring was cored continuously for lithologic logging purposes. The borings were advanced to approximately 5 feet below the water table (a total depth of approximately 16 feet bgs). A California Registered Geologist (RG) logged soils in general accordance with American Society of Testing and Materials (ASTM) Method Number D2488-90, Description and Identification of Soils (*Visual-Manual Procedure*). The soil samples were used for subsequent analytical testing, as well as for lithologic interpretations. The

SDPORT-NASSCO-003156

lithologic conditions encountered during drilling are described in the boring logs in Exhibit B.

Soil headspace samples were collected in resealable plastic bags at 1 to 5 foot intervals and screened with a photo ionization detector (PID) to assist in selection of soil samples for laboratory submittal. Based on the results of the headspace readings and visual observations, three soil samples were retained from each boring (one sample from the shallow fill above the former pond bottom, one sample from the approximate depth of pond sediments, and one sample from the soil underlying the pond sediments) and submitted to a fixed-base analytical laboratory to determine the concentration of constituents of concern. Sample selection was biased to include any stained or odorous soils.

Each sample submitted to the laboratory was identified with a two-unit designation such as B2-2.0. The first unit indicates the borehole number (B2) and the second unit indicates the sample depth (e.g., 2.0 feet below ground surface [bgs]). Soil samples were collected in acetate sleeves and capped with Teflon®-lined caps, labeled, entered into chain-of-custody, and stored on ice in a cooler.

One groundwater sample was collected from each boring in laboratory-supplied, pre-cleaned, pre-preserved containers. Samples were collected using a peristaltic pump and disposable tubing within new PVC pipe and screen. Samples for metals analysis were field filtered using a 45-micron filter. Each sample submitted to the laboratory was identified with a two-unit designation such as B2-080703. The first unit indicates the borehole number (B2) and the second unit indicates the sample date. Sample bottles were labeled, entered into chain-of-custody, and stored on ice in a cooler.

Each boring was backfilled with medium bentonite chips, hydrated with potable water; and the pavement was patched using cold-patch asphalt, to match existing conditions.

3.4 Quality Control Samples

Quality control (QC) samples included one groundwater duplicate (duplicate of sample B2-080703 was labeled B9-080703) and one trip blank (TB-080703). In addition, sufficient volume was collected for laboratory QC samples.

Because disposable sampling equipment was used, no equipment blank samples were collected.

3.5 Equipment Decontamination

To prevent cross-contamination between samples and borings, routine precautions were implemented. These precautionary measures included decontaminating sampling equipment, and using a three-bucket wash between each sample drive. All drilling equipment (e.g., continuous core samplers, drilling rods) was decontaminated by washing with a non-phosphate detergent, rinsing with potable water, and rinsing with deionized water.

Disposable equipment such as nitrile gloves and bailers were discarded between samples. In most cases, pre-cleaned disposable samplers were used (e.g., acetate sleeves and tubing).

3.6 Investigation-derived Waste

Since the drilling method was direct push, no soil cuttings were generated. Investigation derived waste (IDW) consisted of one 5-gallon bucket of water generated during decontamination of equipment. The water was taken by the drillers back to their shop to be combined with other wastewater, batched, sampled, and disposed of properly.

3.7 Worker Health and Safety

Worker health and safety was addressed in a Site-specific Health and Safety Plan [ENV America 2003]. All Site work was conducted in accordance with the Site-specific Health and Safety Plan.

4.0 ANALYTICAL TESTING

4.1 Analytical Program

All samples collected from the Site were submitted under chain of custody (COC) to American Environmental Testing Laboratory, Inc. (AETL), of Burbank, California. AETL is certified by the State of California, Department of Health Services' Environmental Laboratory Accreditation Program (ELAP).

Soil and groundwater samples collected from the borings were analyzed for one or more of the following: total petroleum hydrocarbons within the gasoline, diesel, and heavy hydrocarbon ranges (TPH-g, TPH-d, and TPH-h, respectively) by USEPA Method 8015 (modified); polychlorinated biphenyls (PCBs) using USEPA Method 8082; volatile organic compounds (VOCs) by USEPA Method 8260; semi volatile organic compounds (SVOCs) by USEPA Method 8270; and, Title 22 metals by USEPA Method series 200.7/6010/7000. The chemical analyses were consistent with those proposed in the Workplan. The laboratory reports and COC records are presented in Exhibit D. Soil and groundwater analytical results are summarized in Tables 1 and 2, respectively.

4.2 Soil Sample Analytical Results

All 21 soil samples were initially analyzed for TPH-d and TPH-h. Additional analyses (TPH-g, VOCs, SVOCs, PCBs, and metals) were then requested for the sample from each boring with the highest preliminary TPH-d and TPH-h results. Since preliminary results showed that Boring B8 had no detectable concentrations for TPH, no additional analyses were requested. However, Sample B8-10 was analyzed for VOCs due to laboratory error in reading the COC instructions. Soil analytical results are summarized in Table 1, and laboratory reports are included as Exhibit D.

TPH Results

Total petroleum hydrocarbon soil results for gasoline, diesel, and heavy hydrocarbons ranged from non-detectable to 46.5, 1960, and 5360 milligrams per kilogram (mg/kg), respectively. The highest soil TPH results for all three ranges were found in Boring B2 at 2.0 feet bgs. Analytical results for TPH-g, TPH-d, and TPH-h are summarized in Figure 5.

VOC Results

Seven soil samples, one from each boring, were analyzed for VOCs. Only soil one sample, B2-2.0, had VOC concentrations which exceeded the practical quantitation limit (PQL) for the method.

SVOC Results

Six soil samples were analyzed for SVOCs. Concentrations above the method detection limit (MDL) were not detected for samples B3-4.0 and B7-2.0. Of the remaining soil samples, the highest concentrations were found in Samples B2-2.0 and B6-2.0.

PCB Results

Six soil samples were analyzed for PCBs. Four of the six soil samples analyzed did not report PCB concentrations above the MDL. Only two of the Aroclors were detected above the MDL. Aroclor-1254 was reported at concentrations ranging from non-detectable to 2,800 micrograms per kilogram (ug/kg). Aroclor-1260 concentrations ranged from non-detectable to 1,600 ug/kg.

Metals Results

Six soil samples were analyzed for Title 22 metals. The metals antimony, arsenic, beryllium, cadmium, mercury, selenium, silver, and thallium were not detected in any sample. Chromium was reported at concentrations ranging from 5.5 mg/kg in Boring B3 at 4.0 feet bgs to 4,220 mg/kg in Boring B2 at 2.0 feet bgs. Lead concentrations ranged from non-detectable to 520 mg/kg in Boring B4 at 3.0 feet bgs.

4.3 Groundwater Sample Analytical Results

All eight groundwater samples (including one duplicate) submitted to the laboratory were analyzed for TPH-g, TPH-d, TPH-h, VOCs, SVOCs, PCBs, and metals. SVOCs and PCBs were not detected in any of the groundwater samples. Concentrations of TPH, VOCs, and metals are discussed below. Groundwater analytical results are summarized in Table 2, and laboratory reports are included as Exhibit D.

TPH Results

TPH-g concentrations ranged from non-detectable (6 samples) to 45.9 micrograms per liter (ug/L) in Boring B5. TPH-d and TPH-h concentrations were not detected above the PQL in any of the samples analyzed. Analytical results for TPH-g, TPH-d, and TPH-h are on Figure 6.

VOC Results

VOC concentrations for groundwater samples from Borings B2, B3, B4, and B8 did not exceed the PQL. Samples from Borings B5, B6, and B7 contained several detectable compounds, most of which were chlorinated hydrocarbons.

Metals Results

The metals antimony, arsenic, beryllium, cadmium, lead, mercury, selenium, silver, and thallium were not detected in any sample. With the exception of barium and nickel, metals were not detected at concentrations exceeding the PQL.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The objective of this investigation was to evaluate potential environmental impacts from former wastewater ponds associated with the Silver Gate Power Plant. The approximate locations of the former ponds were identified using historical aerial photos and maps. Data generated from borings located within and around the former waste ponds indicated that Pond A soil contained low concentrations of organic compounds, including TPH in the diesel and heavy oil range, and SVOCs. However, none of the soil samples from Pond A contained detectable VOCs, PCBs, or appreciable metals. Soil data from Pond B showed the presence of organic and metal analytes. The occurrence of shallow soil contaminants was generally coincident with what was visually identified to be the base of the former ponds. Hydrocarbon soil concentrations typically decreased rapidly with depth, indicating limited vertical migration. Maximum TPH concentrations were below the "Petroleum Residual NAPL Saturation" concentrations referenced in the County of San Diego SAMD manual. Chromium and benzo(a)anthracene were detected in one sample from Pond B soil at concentrations above US EPA industrial Preliminary Remediation Goals (PRGs).

Groundwater beneath the site was sampled through temporary PVC screens that were placed in the borings. Low hydrocarbon concentrations were detected in both Pond A and B areas. No SVOCs or PCBs were detected in groundwater. Volatile compounds including chlorinated solvents were detected in groundwater; however, there are no local numerical standards for non-beneficial use areas. All solvent compound concentrations were well below the applicable US EPA National Recommended Ambient Water Quality Criteria for Saltwater Aquatic Life Protection numerical standards. Based on these criteria, groundwater quality beneath the former Ponds meets regulatory criteria.

SDPORT-NASSCO-003162

6.0 REFERENCES

ENV America. 2002. *Workplan for Site Assessment, Former Wastewater Ponds*, Silver Gate Power Plant, 1348 Sampson Street, San Diego, California. Prepared for San Diego Gas and Electric Company. August 21, 2002.

ENV America. 2003. H*ealth and Safety Plan for Groundwater Monitoring and Site Investigation Activities*, Silver Gate Power Plant, 1348 Sampson Street, San Diego, California. Prepared for San Diego Gas and Electric Company. August 2003.

SDPORT-NASSCO-003163

TABLES

Table 1
Soil Analytical Results
San Diego Gas and Electric
Silver Gate Power Plant
Tidelands Lease
Sampled August 7, 2003

Sample I.D.		B2-2.0	B2-3.0	B2-8.0	B3-2.0	B3-4.0	B3-9.0	B4-3.0	B4-4.0	B4-9.0	B5-2.0	B5-4.0	B5-9.0	B6-2.0	B6-3.0	B6-8.0	B7-2.0	B7-4.0	B7-8.0	B8-2.0	B8-4.0	B8-10.0	Industrial
Depth (ft.)		2	3	8	2	4	9	3	4	9	2	4	9	2	3	8	2	4	8	2	4	10	PRG*
Total Petroleum Hydrocarbons (TPH) by USEPA Method 8015M																							
TPH-g (C4-C12)	mg/kg	46.5	-	-	-	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	-	-	
TPH-d (C13-C22)	mg/kg	1960	<5	<5	<5	48.7	<5	<5.0	<5	<5	<5	<5	<5	7.42J	<5	<5	21.3	29.6	<5	<5	<5	<5	
TPH-h (C23-C40)	mg/kg	5360	<5	<5	9.52J	423	26.7	96.5	26.8	11.7	<5	<5	<5	8.33J	<5	<5	167	80.7	24.8	<5	<5	<5	
TPH-d&h (C13-C40)																							
Volatile Organic Compounds (VOCs) by EPA Method 8260B																							
Acetone	ug/kg	151	-	-	-	<25	-	<25	-	-	<25	-	-	<25	-	-	<25	-	-	-	-	<25	6.0E+06
Benzene	ug/kg	10.8	-	-	-	<2	-	<2	-	-	<2	-	-	<2	-	-	<2	-	-	-	-	<2	1.3E+03
2-Butanone (MEK)	ug/kg	43.7J	-	-	-	<25	-	<25	-	-	<25	-	-	<25	-	-	<25	-	-	-	-	<25	2.7E+07
sec-Butylbenzene	ug/kg	9.0J	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	2.2E+05
Carbon Disulfide	ug/kg	81.5	-	-	-	<25	-	<25	-	-	<25	-	-	<25	-	-	<25	-	-	-	-	<25	7.2E+05
Chlorobenzene	ug/kg	16	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	5.3E+05
1,2-Dichlorobenzene	ug/kg	56.3	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	3.7E+05
1,3-Dichlorobenzene	ug/kg	11.7	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	6.3E+04
1,4-Dichlorobenzene	ug/kg	58	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	7.9E+03
cis-1,2-Dichloroethene	ug/kg	5.4J	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	1.5E+05
Ethylbenzene	ug/kg	18.2	-	-	-	<2	-	<2	-	-	<2	-	-	<2	-	-	<2	-	-	-	-	<2	2.0E+04
p-Isopropyltoluene	ug/kg	15	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	
Naphthalene	ug/kg	26.1	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	1.9E+05
n-Propylbenzene	ug/kg	11.1	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	2.4E+05
Toluene (Methyl benzene)	ug/kg	25.8	-	-	-	<2	-	<2	-	-	<2	-	-	<2	-	-	<2	-	-	-	-	<2	5.2E+05
Trichloroethene	ug/kg	14.7	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	1.1E+02
1,2,4-Trimethylbenzene	ug/kg	9.8J	-	-	-	<5	-	<5	-	-	<5	-	-	<5	-	-	<5	-	-	-	-	<5	1.7E+05
o-Xylene	ug/kg	23.5	-	-	-	<2	-	<2	-	-	<2	-	-	<2	-	-	<2	-	-	-	-	<2	4.2E+05[1]
m,p-Xylenes	ug/kg	14.9J	-	-	-	<2	-	3.0J	-	-	<2	-	-	<2	-	-	<2	-	-	-	-	<2	
other VOCs	ug/kg	ND	-	-	-	ND	-	ND	-	-	ND	-	-	ND	-	-	ND	-	-	-	-	ND	
Semivolatile Organic Compounds (SVOCs) by USEPA Method 8270C																							
Acenaphthene	mg/kg	4.20J	-	-	-	<0.25	-	<0.25	-	-	<0.25	-	-	<0.25	-	-	<0.25	-	-	-	-	-	2.9E+04
Acenaphthylene	mg/kg	<2.50	-	-	-	<0.25	-	<0.25	-	-	0.414J	-	-	0.985	-	-	<0.25	-	-	-	-	-	
Anthracene	mg/kg	3.48J	-	-	-	<0.25	-	<0.25	-	-	<0.25	-	-	0.471J	-	-	<0.25	-	-	-	-	-	1.0E+05
Benzo(a)anthracene	mg/kg	6.23	-	-	-	<0.25	-	0.538	-	-	0.644	-	-	2.3	-	-	<0.25	-	-	-	-	-	2.1E+00
Benzo(a)pyrene	mg/kg	2.80J	-	-	-	<0.25	-	0.52	-	-	1.02	-	-	3.13	-	-	<0.25	-	-	-	-	-	2.1E-01
Benzo(b)fluoranthene	mg/kg	<2.50	-	-	-	<0.25	-	0.631	-	-	1.33	-	-	3.15	-	-	<0.25	-	-	-	-	-	2.1E+00
Benzo(ghi)perylene	mg/kg	<2.50	-	-	-	<0.25	-	0.374J	-	-	1.04	-	-	2.53	-	-	<0.25	-	-	-	-	-	
Benzo(k)fluoranthene	mg/kg	<2.50	-	-	-	<0.25	-	0.392J	-	-	0.516	-	-	1.83	-	-	<0.25	-	-	-	-	-	2.1E+01
Benzoic Acid	mg/kg	3.38J	-	-	-	<0.25	-	<0.25	-	-	0.337J	-	-	<0.25	-	-	<0.25	-	-	-	-	-	1.0E+05
Bis(2-ethylhexyl)phthalate	mg/kg	<2.50	-	-	-	<0.25	-	0.516	-	-	<0.25	-	-	<0.25	-	-	<0.25	-	-	-	-	-	1.2E+02
Chrysene	mg/kg	10.4	-	-	-	<0.25	-	0.734	-	-	1	-	-	3.05	-	-	<0.25	-	-	-	-	-	2.1E+02
Fluoranthene	mg/kg	3.13J	-	-	-	<0.25	-	1.01	-	-	1.03	-	-	2.62	-	-	<0.25	-	-	-	-	-	2.2E+04
Fluorene	mg/kg	4.48J	-	-	-	<0.25	-	<0.25	-	-	<0.25	-	-	<0.25	-	-	<0.25	-	-	-	-	-	2.6E+04
Indeno(1,2,3-cd)pyrene	mg/kg	<2.50	-	-	-	<0.25	-	0.335J	-	-	0.761	-	-	1.88	-	-	<0.25	-	-	-	-	-	2.1E+00
Naphthalene	mg/kg	<2.50	-	-	-	<0.25	-	<0.25	-	-	<0.25	-	-	0.287J	-	-	<0.25	-	-	-	-	-	1.9E+02
Phenanthrene	mg/kg	13.3	-	-	-	<0.25	-	0.460J	-	-	0.505	-	-	1.14	-	-	<0.25	-	-	-	-	-	
Pyrene	mg/kg	17.8	-	-	-	<0.25	-	0.839	-	-	1.63	-	-	4.64	-	-	<0.25	-	-	-	-	-	2.9E+04
other SVOCs	mg/kg	ND	-	-	-	ND	-	ND	-	-	ND	-	-	ND	-	-	ND	-	-	-	-	-	

ENV AMERICA

P:\SDG&E\Silvergate\Wasteponds SA\SA report\Drafttables

6/25/2004

SDPORT-NASSCO-003166

Table 1
Soil Analytical Results
San Diego Gas and Electric
Silver Gate Power Plant
Tidelands Lease
Sampled August 7, 2003

Sample I.D.		B2-2.0	B2-3.0	B2-8.0	B3-2.0	B3-4.0	B3-9.0	B4-3.0	B4-4.0	B4-9.0	B5-2.0	B5-4.0	B5-9.0	B6-2.0	B6-3.0	B6-8.0	B7-2.0	B7-4.0	B7-8.0	B8-2.0	B8-4.0	B8-10.0	Industrial
Depth (ft.)		2	3	8	2	4	9	3	4	9	2	4	9	2	3	8	2	4	8	2	4	10	PRG*
Polychlorinated Biphenyls (PCBs) by USEPA Method 8082																							
Aroclor-1254	ug/kg	<35	-	-	-	<35	-	2800	-	-	<35	-	-	<35	-	-	<35	-	-	-	-	-	7.4E+02
Aroclor-1260	ug/kg	380	-	-	-	<35	-	1600	-	-	<35	-	-	<35	-	-	<35	-	-	-	-	-	7.4E+02
other Aroclors	ug/kg	ND	-	-	-	ND	-	ND	-	-	ND	-	-	ND	-	-	ND	-	-	-	-	-	
Title 22 Metals by USEPA Method 6010/7000CAM																							
Barium	mg/kg	68	-	-	-	14.9	-	233	-	-	35.2	-	-	35.3	-	-	49.8	-	-	-	-	-	6.7E+04
Cadmium	mg/kg	1.35J	-	-	-	<1.3	-	1.90J	-	-	<1.3	-	-	<1.3	-	-	<1.3	-	-	-	-	-	4.5E+02
Chromium	mg/kg	4220	-	-	-	5.5	-	131	-	-	9.9	-	-	19.5	-	-	9.6	-	-	-	-	-	4.5E+02
Cobalt	mg/kg	9.8	-	-	-	<2.5	-	11.5	-	-	3.70J	-	-	4.60J	-	-	5.35	-	-	-	-	-	1.9E+03
Copper	mg/kg	393	-	-	-	5.85	-	868	-	-	10.5	-	-	32.3	-	-	13.4	-	-	-	-	-	4.1E+04
Lead[1]	mg/kg	277	-	-	-	<2.5	-	520	-	-	10.8	-	-	34.1	-	-	11.6	-	-	-	-	-	7.5E+02[2]
Molybdenum	mg/kg	15.6	-	-	-	<2.5	-	41	-	-	<2.5	-	-	<2.5	-	-	<2.5	-	-	-	-	-	5.1E+03
Nickel[2]	mg/kg	125	-	-	-	<2.5	-	33.8	-	-	7.5	-	-	27.6	-	-	6.35	-	-	-	-	-	2.0E+04[3]
Vanadium	mg/kg	272	-	-	-	10.9	-	44.3	-	-	30.9	-	-	61	-	-	33.8	-	-	-	-	-	7.2E+03
Zinc	mg/kg	1190	-	-	-	16.6	-	1060	-	-	32	-	-	71	-	-	61	-	-	-	-	-	1.0E+05
other metals	mg/kg	ND	-	-	-	ND	-	ND	-	-	ND	-	-	ND	-	-	ND	-	-	-	-	-	

ENV AMERICA

Notes:

TPH-g = TPH as gasoline and light hydrocarbons (C4-C12)
TPH-d = TPH as diesel (C13-C22)
TPH-h = TPH as heavy hydrocarbons (C23-C40)
TPH-d&h = TPH as diesel and heavy hydrocarbons (C13-C40)
"-" = Not Analyzed
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
"ND" or "<" = Not detected at a concentration exceeding the method detection limit
J = estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL)

* USEPA Region IX Preliminary Remedial Goals (2002)
[1]Total Xylenes
2Industrial PRG result for Lead by non-standard method
3Industrial PRG result for Nickel (soluble salts)

SDPORT-NASSCO-003167

Table 2
Groundwater Analytical Results
San Diego Gas and Electric
Silver Gate Power Plant
Tidelands Lease
Sampled August 7, 2003

Analyte		Sample Number							
		B2-080703	B9-080703*	B3-080703	B4-080703	B5-080703	B6-080703	B7-080703	B8-080703
Total Petroleum Hydrocarbons (TPH) by USEPA Method 8015M									
TPH-g (C4-C12)	ug/L	<5	<5	<5	<5	45.9	38.8	<5	<5
TPH-d (C13-C22)	ug/L	139J	127J	<100	182J	136J	119J	<100	<100
TPH-h (C23-C40)	ug/L	183J	169J	<100	183J	<100	135J	<100	120J
Volatile Organic Compounds (VOCs) by USEPA Method 8260B									
1,1-Dichloroethane	ug/L	<0.5	<0.5	<0.5	<0.5	8.6	7.4	1.8	<0.5
1,2-Dichloroethane (EDC)	ug/L	<0.5	<0.5	<0.5	<0.5	3.8	4.4	3.8	0.8J
1,1-Dichloroethene	ug/L	<0.5	<0.5	<0.5	<0.5	45.8	34.8	2.9	<0.5
cis-1,2-Dichloroethene	ug/L	<0.5	<0.5	<0.5	<0.5	5.5	5.6	6.5	0.8J
trans-1,2-Dicholoroethene	ug/L	<0.5	<0.5	<0.5	<0.5	0.6J	0.6J	1	<0.5
Methyl-tert-butyl ether (MTBE)	ug/L	<0.5	<0.5	<0.5	<0.5	1.5	1.3	0.7J	<0.5
Tetrachloroethene	ug/L	<0.5	<0.5	<0.5	<0.5	1.7	1.2	<0.5	<0.5
Trichloroethene	ug/L	<0.5	<0.5	<0.5	<0.5	32.5	32.9	5.4	<0.5
other VOCs	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (SVOCs) by USEPA Method 8270C									
Semivolatiles	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCBs) by USEPA Method 8082									
PCBs	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Title 22 Metals by USEPA Method 6010/7000CAM									
Barium	ug/L	56	51	98	<30	35J	35J	44J	59
Chromium	ug/L	21J	14J	<10	11J	11J	<10	<10	<10
Cobalt	ug/L	<10	<10	<10	<10	23J	21J	<10	<10
Copper	ug/L	<10	10J	16J	15J	<10	14J	<10	<10
Molybdenum	ug/L	36J	33J	<10	31J	17J	16J	20J	23J
Nickel	ug/L	124	36J	11J	95	64	67	42J	<10
Vanadium	ug/L	<30	<30	<30	<30	<30	34J	<30	<30
Zinc	ug/L	12J	40J	<10	11J	<10	11J	13J	<10
other metals	ug/L	ND	ND	ND	ND	ND	ND	ND	ND

ENV AMERICA

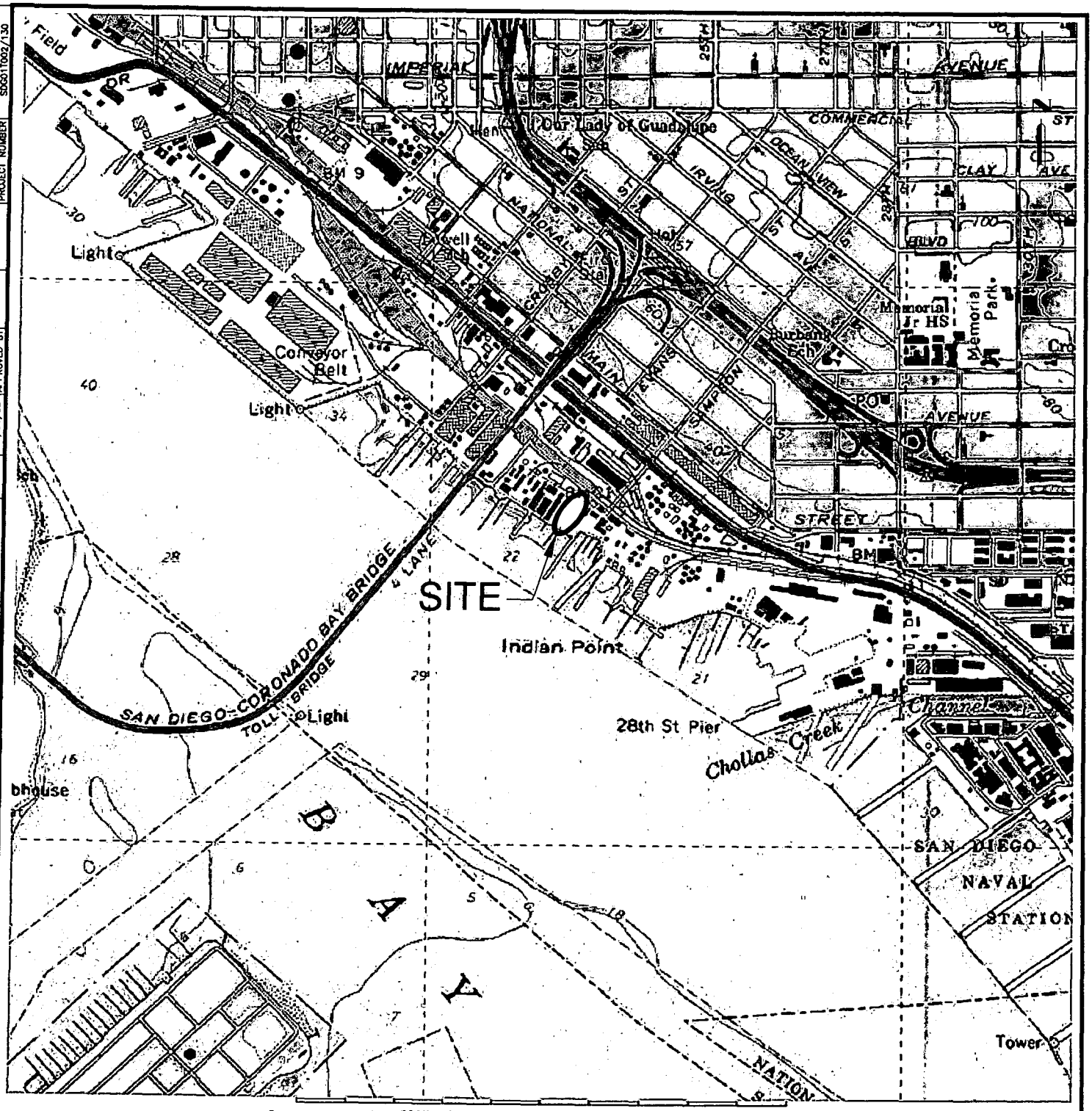
Notes:
TPH - total petroleum hydrocarbons
TPH-g = TPH as gasoline and light hydrocarbons (C4-C12)
TPH-d = TPH as diesel (C13-C22)
TPH-h = TPH as heavy hydrocarbons (C23-C40)
TPH-d&h = TPH as diesel and heavy hydrocarbons (C13-C40)
ug/L = micrograms per liter
"ND" or "<" = Not detected at a concentration exceeding the method detection limit
J = estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL)
* B9-080703 is a blind duplicate of Sample B2-080703

6/21/2004

F:\SDG&E\Silvergate\Wasteponds SA\SA report\Draft\tables.xls

SDPORT-NASSCO-003168

FIGURES



Printed from TOPO! ©2001 National Geographic Holdings (www.topo.com)

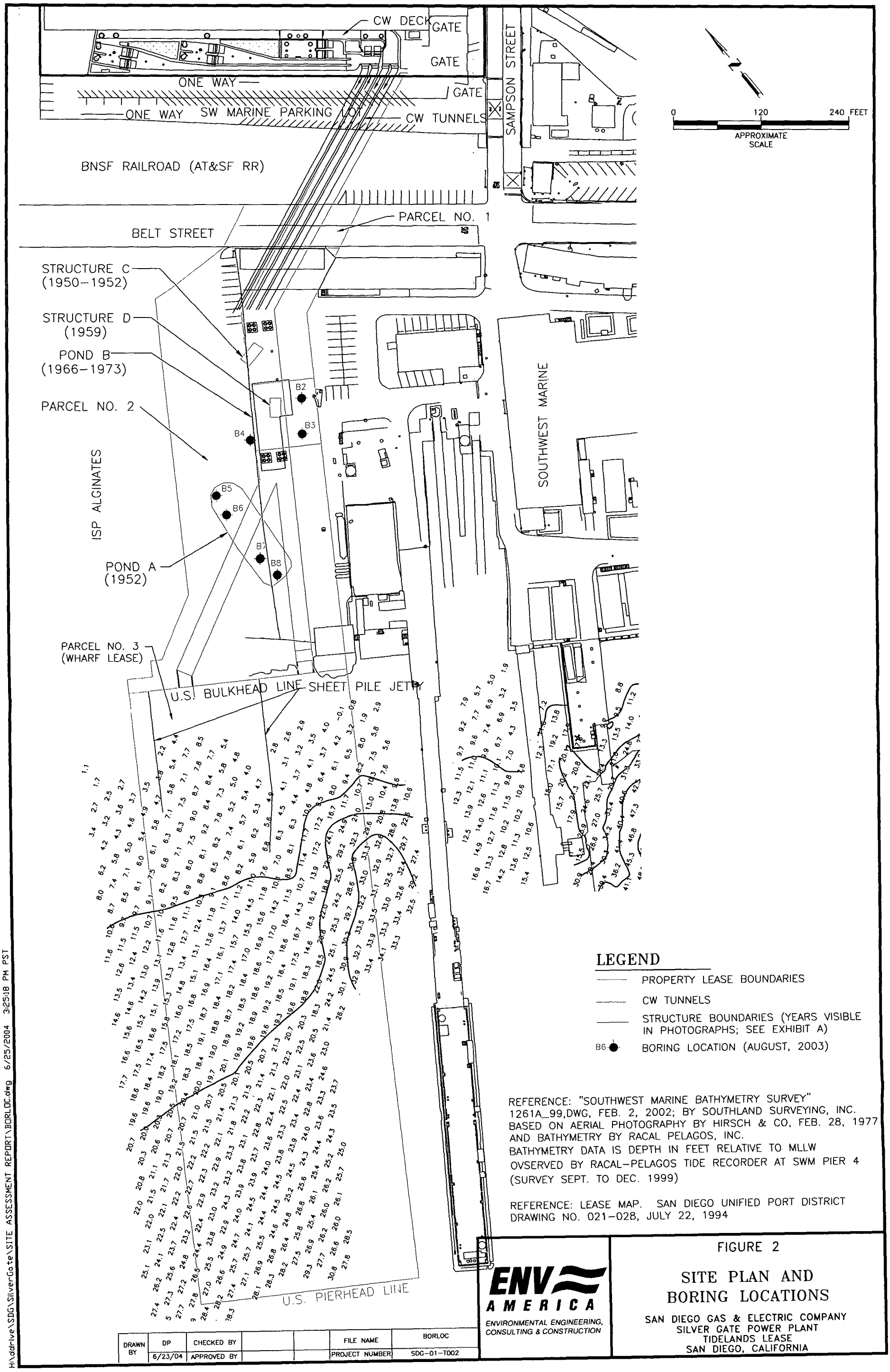
DRAWN BY	CHECKED BY	APPROVED BY	FILE NAME	PROJECT NUMBER	WORKPLAN/LOCMAP
RAN 07/31/02					SDG01T002/130

ENV AMERICA
ENVIRONMENTAL ENGINEERING, CONSULTING & CONSTRUCTION

FIGURE 1

TIDELANDS SITE LOCATION MAP

SAN DIEGO GAS & ELECTRIC COMPANY
SILVER GATE POWER PLANT
TIDELANDS LEASE
SAN DIEGO, CALIFORNIA



REFERENCE: "SOUTHWEST MARINE BATHYMETRY SURVEY" 1261A_99,DWG, FEB. 2, 2002; BY SOUTHLAND SURVEYING, INC. BASED ON AERIAL PHOTOGRAPHY BY HIRSCH & CO, FEB. 28, 1977 AND BATHYMETRY BY RACAL PELAGOS, INC.
BATHYMETRY DATA IS DEPTH IN FEET RELATIVE TO MLLW OVSERVED BY RACAL–PELAGOS TIDE RECORDER AT SWM PIER 4 (SURVEY SEPT. TO DEC. 1999)

REFERENCE: LEASE MAP. SAN DIEGO UNIFIED PORT DISTRICT DRAWING NO. 021–028, JULY 22, 1994

DRAWN BY	DP	CHECKED BY			FILE NAME	BORLOC
	6/23/04	APPROVED BY			PROJECT NUMBER	SDG–01–T002

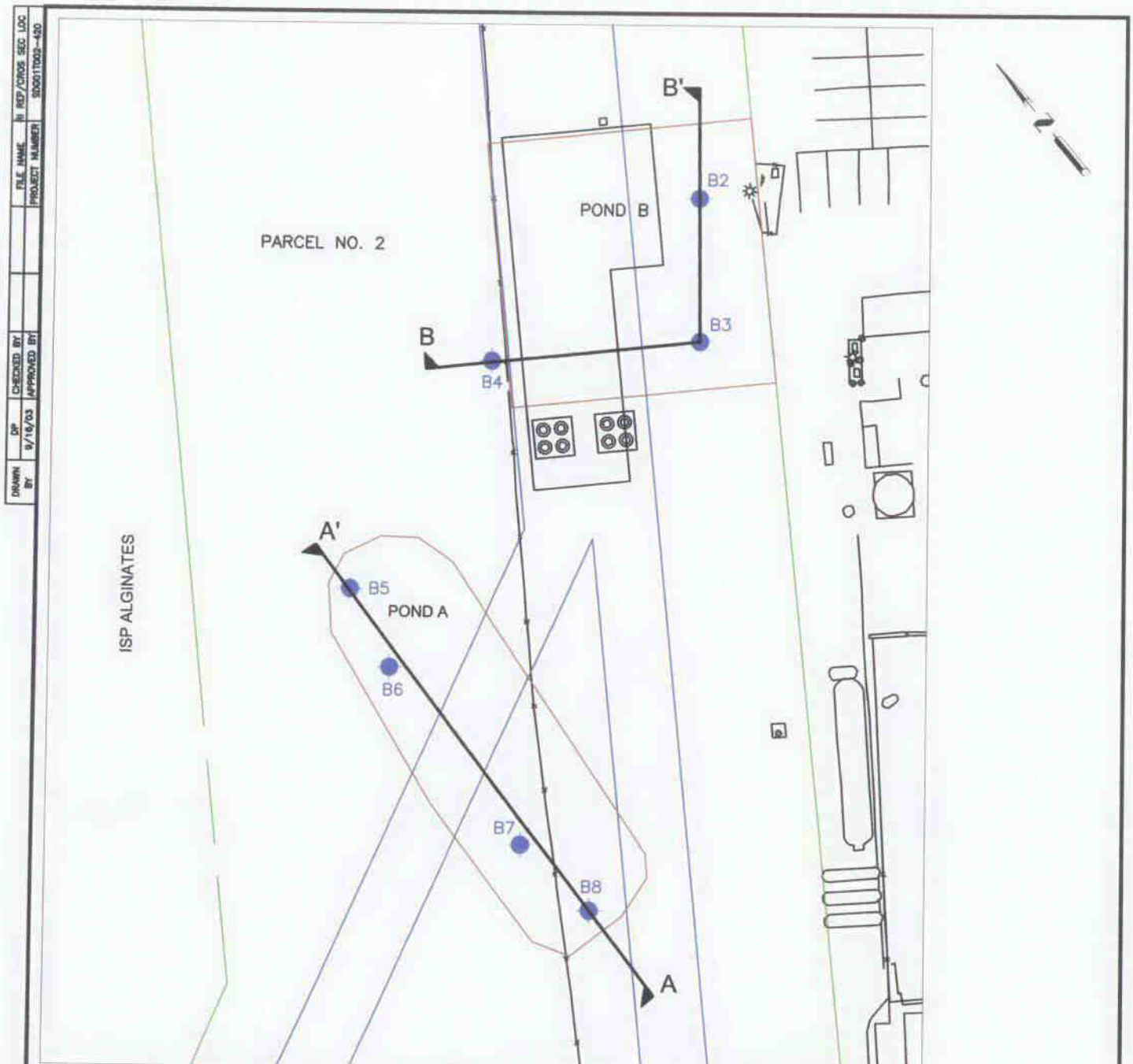
ENV AMERICA
ENVIRONMENTAL ENGINEERING, CONSULTING & CONSTRUCTION

FIGURE 2

SITE PLAN AND BORING LOCATIONS

SAN DIEGO GAS & ELECTRIC COMPANY
SILVER GATE POWER PLANT
TIDELANDS LEASE
SAN DIEGO, CALIFORNIA

H:\ddrive\SDG\SilverGate\SITE ASSESSMENT REPORT\BORLOC.dwg 6/25/2004 3:25:18 PM PST



LEGEND

- A — A' CROSS – SECTION LOCATION, FOR DETAIL SEE FIGURE 5
- B8 BORING LOCATION
- PROPERTY LEASE BOUNDARIES
- CW TUNNELS
- POND BOUNDARIES

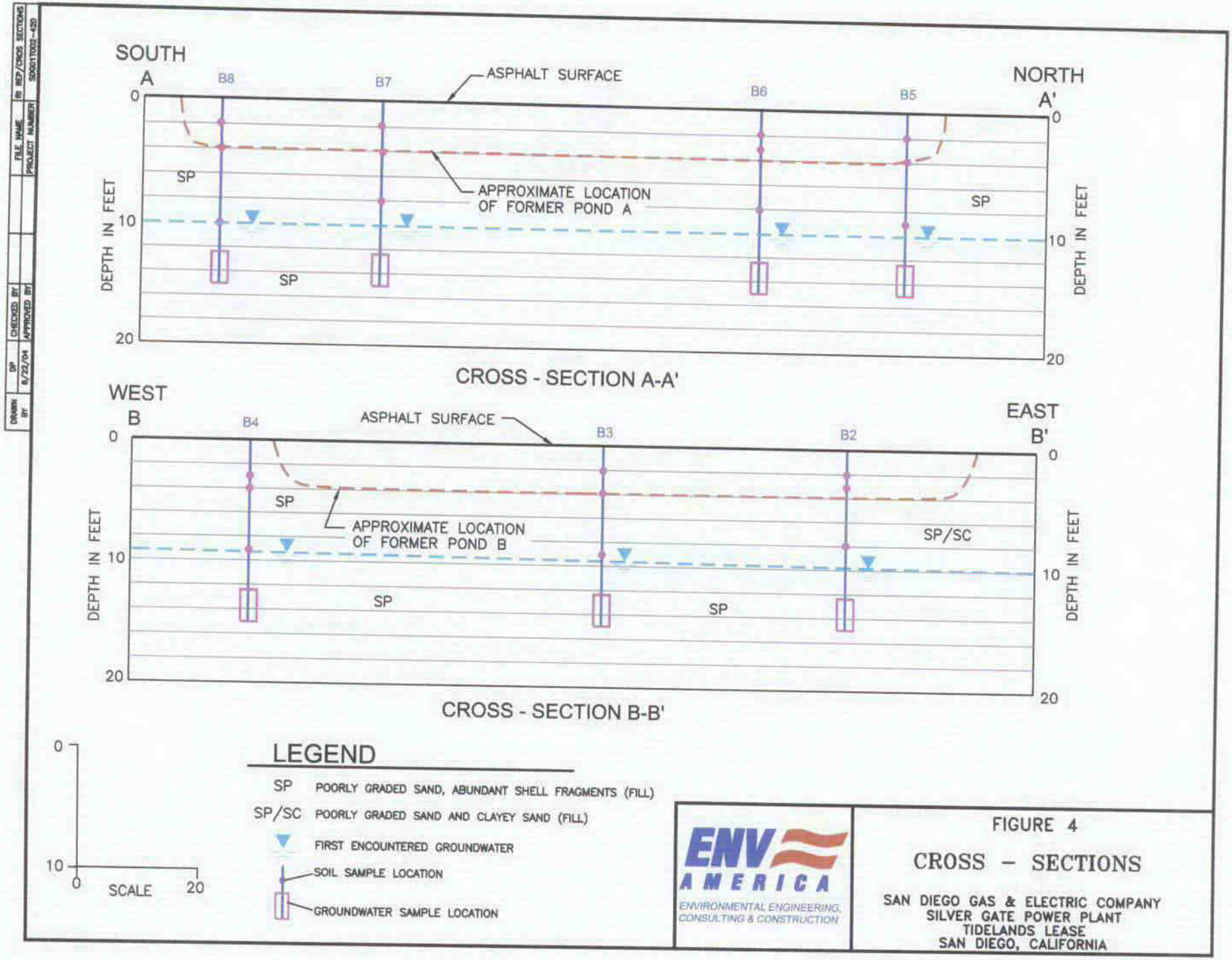
ENV AMERICA
ENVIRONMENTAL ENGINEERING, CONSULTING & CONSTRUCTION

FIGURE 3

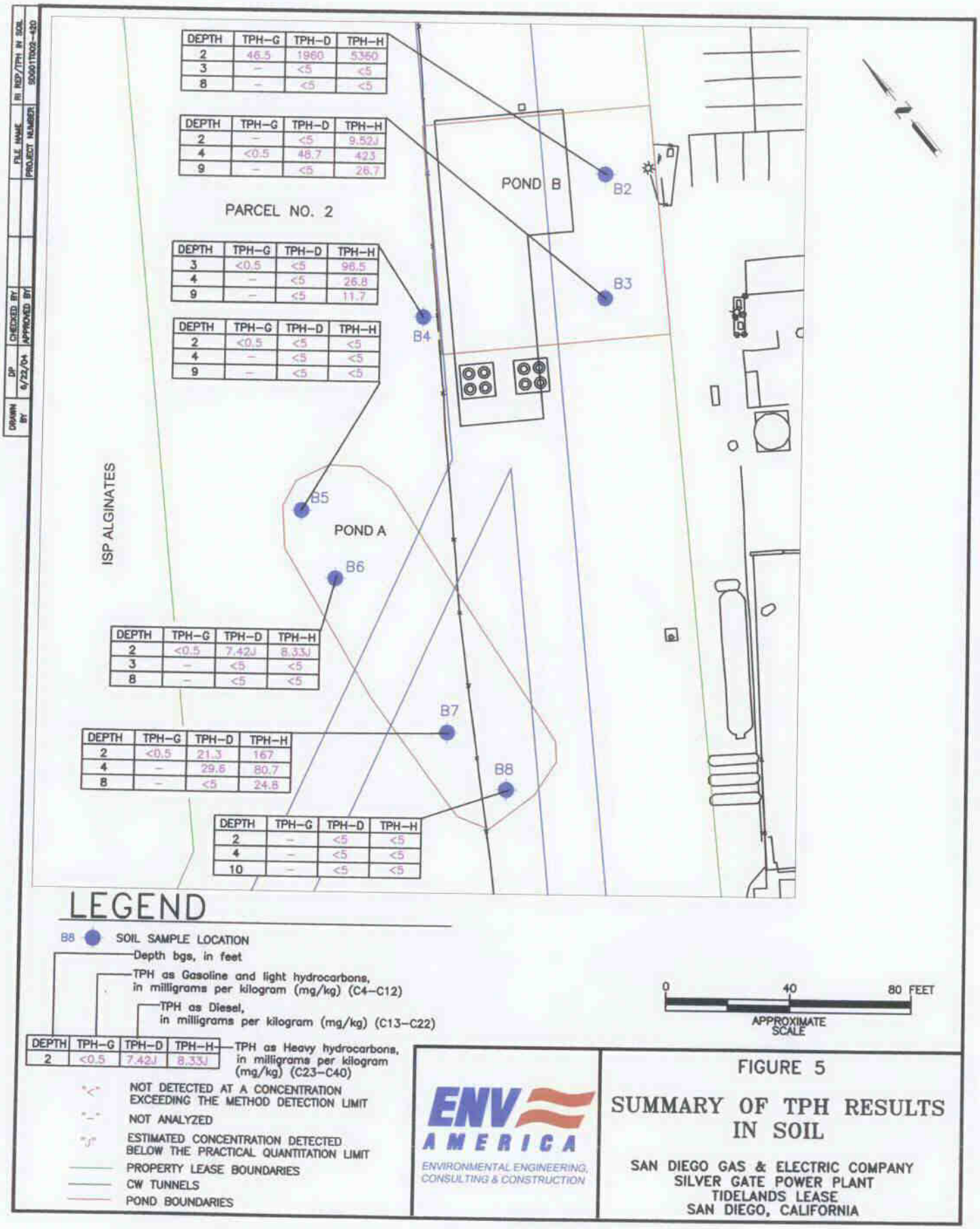
CROSS - SECTION LOCATIONS

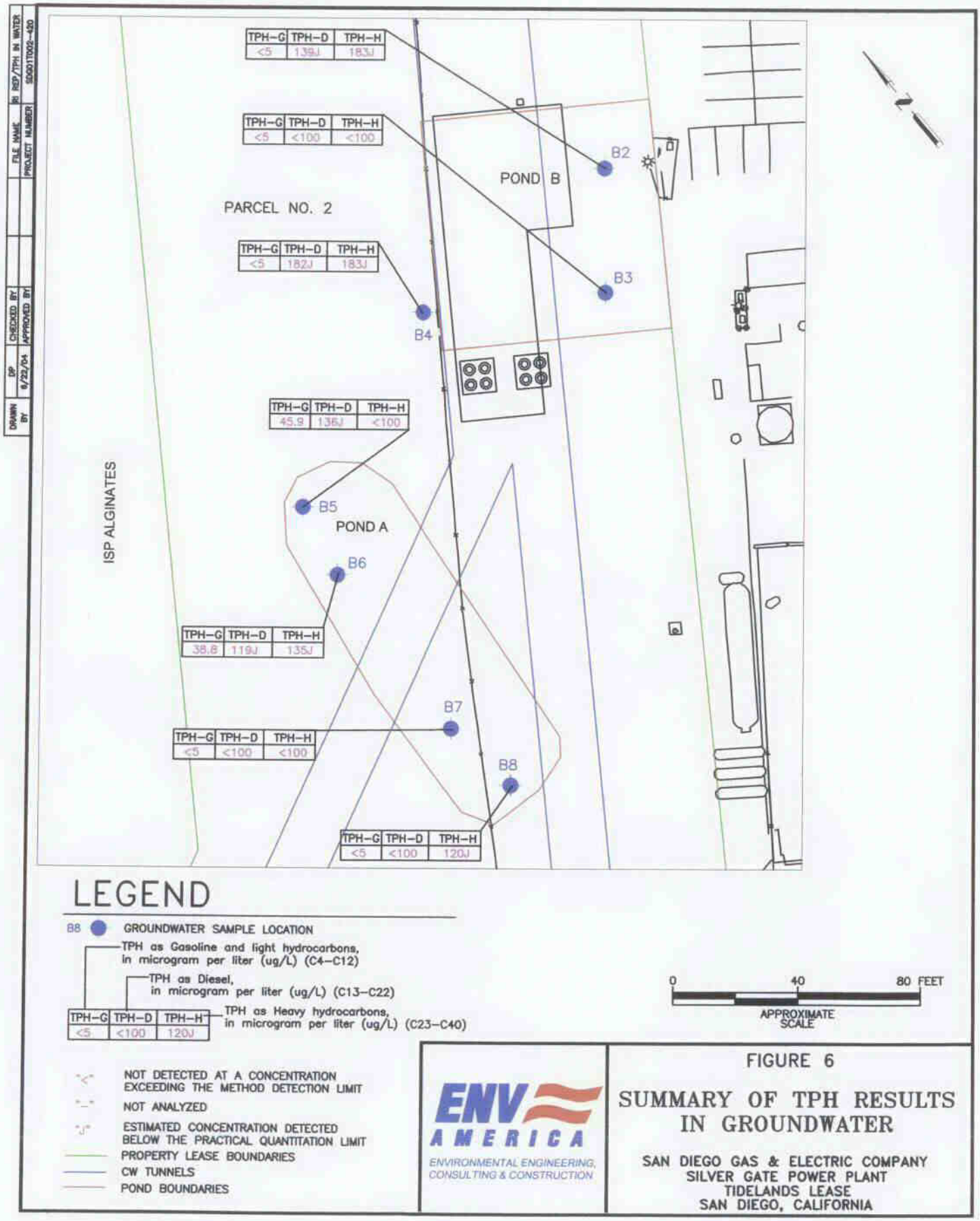
SAN DIEGO GAS & ELECTRIC COMPANY
SILVER GATE POWER PLANT
TIDELANDS LEASE
SAN DIEGO, CALIFORNIA

SDPORT-NASSCO-003173



SDPORT-NASSCO-003174


DRAWN BY
DIP
6/22/04
CHECKED BY:
APPROVED BY:
FILE NAME:
PROJECT NUMBER:
RI RDP/TPH IN SOIL
SD001T002-420
DEPTH TPH-G TPH-D TPH-H
2 46.5 1960 5350
3 – <5 <5
8 – <5 <5
DEPTH TPH-G TPH-D TPH-H
2 – <5 9.52J
4 <0.5 48.7 423
9 – <5 26.7
PARCEL NO. 2
DEPTH TPH-G TPH-D TPH-H
3 <0.5 <5 96.5
4 – <5 26.8
9 – <5 11.7
DEPTH TPH-G TPH-D TPH-H
2 <0.5 <5 <5
4 – <5 <5
9 – <5 <5
ISP ALGINATES
POND A
POND B
B2
B3
B4
B5
B6
B7
B8
DEPTH TPH-G TPH-D TPH-H
2 <0.5 7.42J 8.33J
3 – <5 <5
8 – <5 <5
DEPTH TPH-G TPH-D TPH-H
2 <0.5 21.3 167
4 – 29.6 80.7
8 – <5 24.8
DEPTH TPH-G TPH-D TPH-H
2 – <5 <5
4 – <5 <5
10 – <5 <5
LEGEND
B8 SOIL SAMPLE LOCATION
Depth bgs, in feet
TPH as Gasoline and light hydrocarbons, in milligrams per kilogram (mg/kg) (C4–C12)
TPH as Diesel, in milligrams per kilogram (mg/kg) (C13–C22)
DEPTH TPH-G TPH-D TPH-H
2 <0.5 7.42J 8.33J
TPH as Heavy hydrocarbons, in milligrams per kilogram (mg/kg) (C23–C40)
"<" NOT DETECTED AT A CONCENTRATION EXCEEDING THE METHOD DETECTION LIMIT
"–" NOT ANALYZED
"J" ESTIMATED CONCENTRATION DETECTED BELOW THE PRACTICAL QUANTITATION LIMIT
PROPERTY LEASE BOUNDARIES
CW TUNNELS
POND BOUNDARIES
0 40 80 FEET
APPROXIMATE SCALE
ENV AMERICA
ENVIRONMENTAL ENGINEERING, CONSULTING & CONSTRUCTION
FIGURE 5
SUMMARY OF TPH RESULTS IN SOIL
SAN DIEGO GAS & ELECTRIC COMPANY
SILVER GATE POWER PLANT
TIDELANDS LEASE
SAN DIEGO, CALIFORNIA



ENV AMERICA
ENVIRONMENTAL ENGINEERING, CONSULTING & CONSTRUCTION

FIGURE 6

SUMMARY OF TPH RESULTS IN GROUNDWATER

SAN DIEGO GAS & ELECTRIC COMPANY
SILVER GATE POWER PLANT
TIDELANDS LEASE
SAN DIEGO, CALIFORNIA

SDPORT-NASSCO-003176

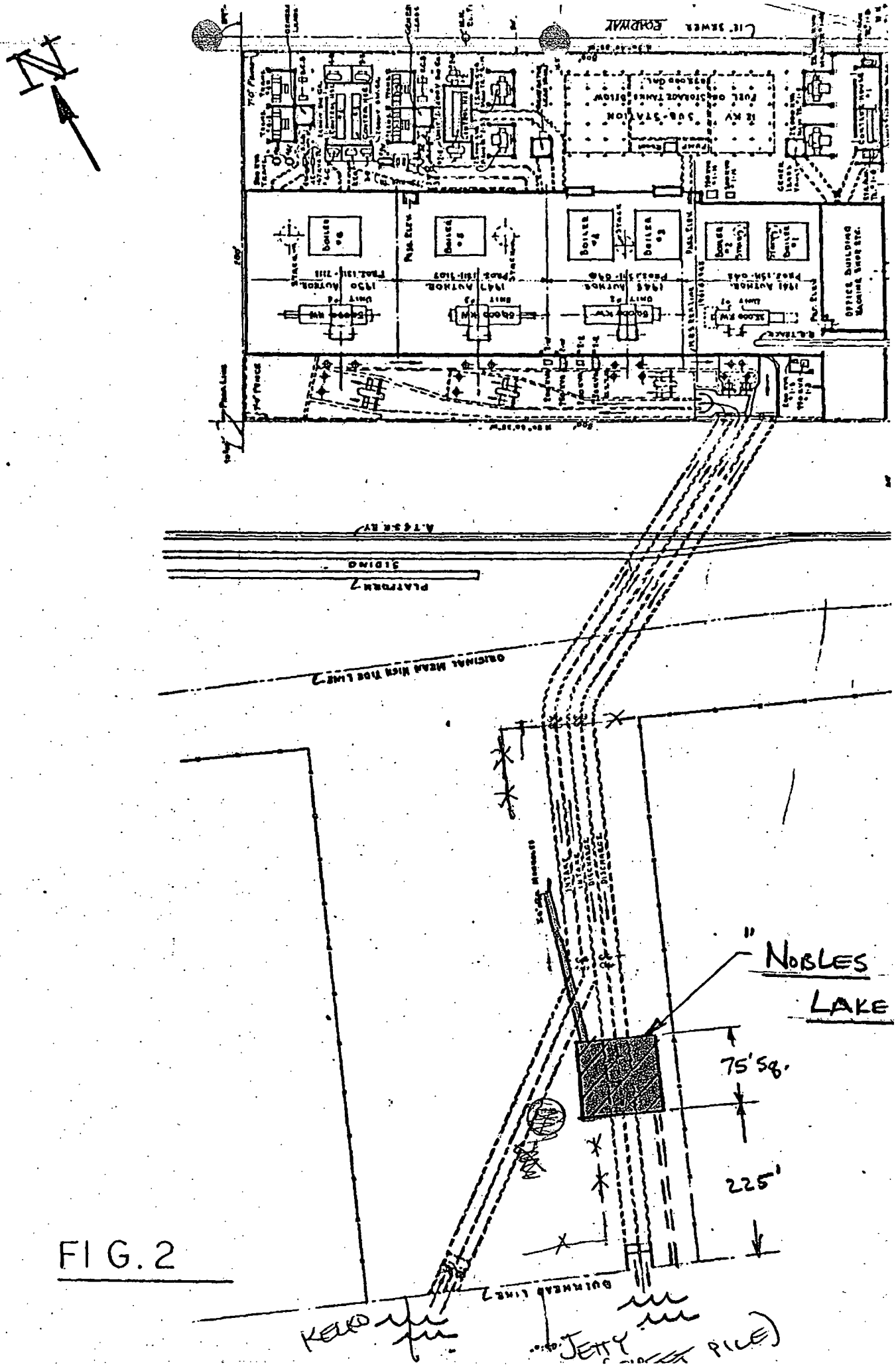


FIG. 2

SDPORT-NASSCO-003214

SUBSURFACE INVESTIGATION
SAN DIEGO GAS & ELECTRIC
TIDELANDS AREA
BELT STREET AND SAN DIEGO BAY
SAN DIEGO, CALIFORNIA

PREPARED FOR:
San Diego Unified Port District
3165 Pacific Highway
San Diego, California 92101

PREPARED BY:
Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
5710 Ruffin Road
San Diego, California 92123

February 28, 2011
Revised May 24, 2011
Project No. 106942001

February 28, 2011
Revised May 24, 2011
Project No. 106942001

Mr. Bill Hays
San Diego Unified Port District
3165 Pacific Highway
San Diego, California 92101

Subject: Subsurface Investigation
San Diego Gas & Electric Tidelands Area
Belt Street and San Diego Bay
San Diego, California

Dear Mr. Hays:

Ninyo & Moore is pleased to submit this Subsurface Investigation Report for the San Diego Gas & Electric (SDG&E) Tidelands Area located at Belt Street and San Diego Bay, San Diego, California (site). The work was conducted in general accordance with the Contract No. 50092, Request for Services No. 57, and amendments.

We appreciate the opportunity to be of service to you on this project.

Sincerely,
NINYO & MOORE

Scott Lutz
Senior Staff Environmental Scientist

Stephan A. Beck, P.G. 4375
Manager, Environmental Sciences Division

SEL/SB/gg

Distribution: (1) Addressee

TABLE OF CONTENTS

Page

1. INTRODUCTION 1
2. BACKGROUND 1
3. SCOPE OF SERVICES 1
4. PREVIOUS SITE ASSESSMENT 2
5. SITE SPECIFIC HEALTH AND SAFETY PLAN 3
6. FIELD ACTIVITIES 3
   6.1. Permits and Notifications 3
   6.2. Boring Locations 3
   6.3. Geophysical Survey 4
   6.4. Cone Penetration Testing – Ultra Violet Optical Screening Tool 4
   6.5. Soil Sampling 4
   6.6. Groundwater Sampling 5
   6.7. Cooling Water Tunnel Sediment Sampling 6
   6.8. Decontamination Procedures 6
7. ANALYTICAL TESTING 7
   7.1.1. Field Quality Assurance and Quality Control Trip Blank 7
   7.1.2. Field Quality Assurance and Quality Control Equipment Blank 7
8. SUMMARY OF FINDINGS 8
   8.1. Soil Sample Analytical Results 8
   8.2. Groundwater Sample Analytical Results 9
   8.3. Cooling Water Tunnel Sediment Sample Analytical Results 9
9. LABORATORY DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW 10
10. LIMITATIONS 10
11. REFERENCES 12

Figures

Figure 1 – Site Location
Figure 2 – Site Plan
Figure 3 – CPT/Soil Boring Locations

Tables

Table 1 – Boring Completion Details and Sampling Depths
Table 2 – Analytes Detected in Soil
Table 3 – Analytes Detected in Groundwater
Table 4 – Analytes Detected in Cooling Water Tunnel Sediment
Table 5 – Summary of Soil Sample Analytical Results, TPH
Table 6 – Summary of Soil Sample Analytical Results, VOCs
Table 7 – Summary of Soil Sample Analytical Results, PAHs
Table 8 – Summary of Soil Sample Analytical Results, PCBs/PCTs
Table 9 – Summary of Soil Sample Analytical Results, Title 22 Metals
Table 10 – Summary of Groundwater Sample Analytical Results, TPH
Table 11 – Summary of Groundwater Sample Analytical Results, VOCs
Table 12 – Summary of Groundwater Sample Analytical Results, PAHs
Table 13 – Summary of Groundwater Sample Analytical Results, PCBs/PCTs
Table 14 – Summary of Groundwater Sample Analytical Results, Title 22 Metals
Table 15 – Summary of Cooling Water Tunnel Sediment Sample Analytical Results, TPH
Table 16 – Summary of Cooling Water Tunnel Sediment Sample Analytical Results, VOCs
Table 17 – Summary of Cooling Water Tunnel Sediment Sample Analytical Results, PAHs
Table 18 – Summary of Cooling Water Tunnel Sediment Sample Analytical Results, PCBs/PCTs
Table 19 – Summary of Cooling Water Tunnel Sediment Sample Analytical Results, Title 22 Metals

Appendices

Appendix A – Approved DEH Boring Permits
Appendix B – Geophysical Survey Report
Appendix C – CPT/UVOST Logs
Appendix D – Analytical Reports and Chain-of-Custody Documentation

1. INTRODUCTION

San Diego Unified Port District (SDUPD) retained Ninyo & Moore to conduct a subsurface investigation of the San Diego Gas and Electric (SDG&E) Tidelands Area located at Belt Street and San Diego Bay, San Diego, California (site) (Figure 1). The work was conducted in general accordance with the SDUPD Contract No. 50092, Request for Services No. 57 (and amendments), the work plan dated November 15, 2010, and the County of San Diego, Department of Environmental Health (DEH), Site Assessment and Mitigation Manual.

2. BACKGROUND

The site is located between Belt Street and the San Diego Bay, at the foot of Sampson Street, southwest of the former Silver Gate Power Plant in the City and County of San Diego, California (Figure 2). SDG&E is the current lease holder from SDUPD. The current tenant at the site is BAE Systems.

3. SCOPE OF SERVICES

Ninyo & Moore's scope of services generally included the following tasks:

- Provided project management and coordination.
- Obtain revised San Diego County, DEH, boring permits reflecting Ninyo & Moore as the subcontractor and Gregg Drilling as the driller.
- Prepared a site-specific health and safety plan.
- Marked the proposed boring locations and notified Underground Service Alert (USA) and DEH a minimum of 48 hours prior to starting the subsurface investigation.
- Conducted a geophysical survey of the boring locations and potential subsurface anomalies, which may have related to historical structures, settling ponds, or sea water cooling tunnels.
- Advanced 38 Cone Penetration Testing (CPT)/Ultra Violet Optical Screening Tool (UVOST) locations to depths of approximately 40 to 48 feet below ground surface (bgs).
- Reviewed the CPT/UVOST data and identified 28 locations and specific depths at each location to collect soil samples.

- Advanced 28 locations using a direct push drill rig and collected soil samples at depths associated with selected UVOST data and in areas where staining or hydrocarbon odors were noted. Temporary wells were set at 15 locations with total depths ranging from 15 to 32 feet bgs to collect groundwater samples.
- Conducted sediment sampling from the interior base of the sea water cooling tunnels located beneath the site.
- Collected soil, sediment, and groundwater samples and submitted them to a state-certified analytical laboratory for chemical analysis.
- Compiled and performed a quality control review of the analytical results.
- Prepared this report summarizing the subsurface investigation.

4. PREVIOUS SITE ASSESSMENT

The site has historically been used by SDG&E for the storage of plant waste from the Silver Gate Power Plant. ENV America Incorporated (ENV America) performed a site investigation on August 7, 2003, on behalf of SDG&E (ENV America, 2004). The ENV America investigation focused on potential impacts from two former wastewater ponds located on the site. That investigation identified the presence of total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), most of which appeared to be chlorinated solvents, polycyclic aromatic hydrocarbons (PAHs), trace metals, and polychlorinated biphenyls (PCBs) in subsurface soil and groundwater. The approximate locations of the ENV America samples are provided on Figure 2.

After ENV America completed the site investigation fieldwork, additional historical information was discovered and included photographs that indicated that there were two additional wastewater structures at the site. The additional structures were identified as oil/water separators (ENV America, 2004a).

Given the areal extent of the site and the associated historical site usage, the sampling conducted by ENV America was limited and did not characterize the site or delineate the contamination identified during their investigation.

5. SITE SPECIFIC HEALTH AND SAFETY PLAN

Ninyo & Moore prepared a site-specific health and safety plan (SHSP) that identified the potential chemical and physical hazards that may be encountered during the field activities. In addition, the plan provided guidelines for use of personal protective equipment based on site-specific conditions, location and directions to the nearest hospital, and contingency plans. Ninyo & Moore's field activities were performed in accordance with the SHSP, and field personnel signed copies of the employee acknowledgement prior to start of work. In addition, each morning a tail-gate safety meeting was held with all parties involved in conducting the scope of services outlined above.

6. FIELD ACTIVITIES

The following sections describe the field activities associated with the subsurface investigation conducted by Ninyo & Moore in December 2010.

6.1. Permits and Notifications

Ninyo & Moore revised the previously-approved boring permits for the advancement of 40 CPT/UVOST borings and 30 soil borings including installation of a temporary monitoring well at each location. The original application was submitted to the DEH and approved on August 30, 2010. A revised boring permit was approved, which included identification of the selected sub-consultant and the drilling contractor. USA and the DEH were notified a minimum of 48 hours prior to the start of advancement of the CPT/UVOST and soil borings. The tenant and the client were notified a minimum of 24 hours prior to drilling activities at the site. A copy of the approved DEH Soil Boring Permit is included in Appendix A.

6.2. Boring Locations

CPT/UVOST boring locations were selected based upon historical information provided by the client, a review of historical aerial photographs, and a site reconnaissance. Soil borings

and temporary groundwater well locations were selected based on the UVOST results. Each of the boring locations is depicted on Figure 3.

6.3. Geophysical Survey

On December 11, 2010, Southwest Geophysics, Inc. (Southwest) assessed the proposed boring locations at the site to mark potential buried utilities and locate other subsurface anomalies. A combination of electromagnetic induction, magnetometry, and ground penetrating radar was utilized. In addition, a grid survey was conducted in the general locations of the former ponds and the sea water cooling tunnels to help delineate these features. A copy of the geophysical survey report is included in Appendix B.

6.4. Cone Penetration Testing – Ultra Violet Optical Screening Tool

CPT/UVOST fieldwork was conducted between December 12 and December 15, 2010. CPT/UVOST borings were advanced using a 30-ton truck-mounted CPT rig operated by Gregg Drilling (Gregg), a bonded, C-57 licensed drilling contractor. Borings were advanced to a maximum total depth of 48 feet bgs. Refusal was encountered with the CPT/UVOST in borings CPT-23 and CPT-24 at 4.9 and 1.5 feet bgs, respectively and CPT-17 was terminated at approximately 16 feet bgs because it was located above the discharge cooling water tunnel. In addition, CPT data could not be collected at location CPT-34 through CPT-38 due to a malfunction in the cone. UVOST data was simultaneously collected while advancing the CPT borings including locations where CPT data was not available. Drilling and sampling activities were conducted under the supervision of a California Professional Geologist. Upon completion, each boring was backfilled with bentonite grout, and capped with either asphalt or concrete to match the pre-existing surface. Copies of the CPT and UVOST data are provided in Appendix C.

6.5. Soil Sampling

Based on the CPT/UVOST data, 28 soil borings were advanced between December 18 and December 21, 2010. Soil samples were collected using a 2-inch diameter continuous core

barrel lined with acetate sleeves. SB-39, SB-40, and SB-41, located inside a structure, were advanced using a hand auger. However, refusal was met in locations SB-39 and SB-41 at depths of one and 3 feet bgs, respectively. Table 1 indicates the sample depths at each of the boring locations.

Sample intervals were selected at each boring locations using the UVOST data and visual observation of the material in the field. The acetate sleeve was sliced in half to view the desired sample depth; three 5-gram samples were collected from the sample interval using a Terra Core Sampler® and were transferred to pre-preserved vials with stir bars for VOC analysis as described in United State Environmental Protection Agency (EPA) Prep Method 5035A. The selected interval was then placed into a stainless steal mixing bowl and composited. Once composited, the sample was placed in a new 8-ounce glass jar, securely closed, labeled with pertinent information and placed in a cooler with ice. Samples were transferred under chain-of-custody procedures to Calscience Environmental Laboratories (Calscience), of Garden Grove, California, a state-certified laboratory, for analytical testing. Upon completion, each soil boring was backfilled with bentonite grout, and capped with either asphalt or concrete to match the pre-existing surface. Excess sample material was placed in appropriately-labeled, DOT compliant 55-gallon drums and temporarily stored at the site, pending disposal.

6.6. Groundwater Sampling

Once the borings were advanced to their total depth, temporary groundwater wells were installed in 15 of the soil borings. Total depth of the temporary wells varied based on field conditions. Table 1 indicates the depth and screen intervals of each temporary well. Wells were constructed using 3/4-inch diameter flush-threaded schedule 40 polyvinyl chloride (PVC) with 5 feet of 0.010 slotted PVC screen at the base of each well. After installation, each temporary well was allowed to equilibrate for a minimum of 30 minutes prior to measuring the water level in each well to the nearest 0.1 foot using an electronic water level meter. Depth to groundwater ranged from 8.4 feet to 10.1 feet bgs as measured in the temporary wells (Table 1). Groundwater samples were then collected from each of the

temporary wells using a stainless steel bailer, which was decontaminated between each use. Groundwater samples were placed directly into laboratory supplied sampling containers, labeled with pertinent information and placed in a cooler with ice. Samples were transferred under chain-of-custody procedures to Calscience for analytical testing.

6.7. Cooling Water Tunnel Sediment Sampling

On December 29, 2010, samples were collected at each of the access points to the cooling water tunnels located beneath the site. Two samples were collected from the intake tunnel and two samples were collected from the discharge tunnel using a bottom dredge sampler. The dredge sampler was slowly lowered to the base of the tunnel; once impacting the bottom, the spring-loaded mechanism closed and was then raised to the surface. The material collected at each location was placed in a cleaned stainless steel mixing bowl. Larger material including rocks and trash was removed from the sampler prior to placing the sediment into the laboratory supplied containers. Three 5-gram samples were collected from the sample using a Terra Core Sampler® and transferred to pre-preserved vials with stir bars for VOC analysis as described in EPA Preparation Method 5035A. However, a VOC sample was not collected from the northern intake cooling water tunnel sample location because the material was saturated, and therefore, not suitable for this preparation method. The remainder of the sample was placed in a new 8-ounce glass jar, securely closed, labeled with pertinent information and placed in a cooler with ice. Samples were transferred under chain-of-custody procedures to Calscience for analytical testing.

6.8. Decontamination Procedures

Non-dedicated monitoring and sampling equipment was decontaminated after each use. Decontamination procedures included a non-phosphate detergent and potable water wash, followed by potable and distilled water rinses. Decontamination fluids were placed in appropriately-labeled, DOT compliant 55-gallon drums and temporarily stored at the site, pending disposal.

7. ANALYTICAL TESTING

Soil, groundwater, and cooling water tunnel sediment samples were analyzed for TPH extended range organics (TPH-ero) for carbon ranges C_6-C_{44} by EPA Method 8015M with silica gel cleanup, VOCs by EPA Method 8260B (prep by EPA Method 5035A for soil and sediment samples), polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270C, polychlorinated biphenyls (PCBs) and polychlorinated terphenyls (PCTs) by EPA Method 8082 and 8082M, respectively, and Title 22 Metals by EPA Methods 6010B/7471A.

7.1.1. Field Quality Assurance and Quality Control Trip Blank

Trip blanks are carbon-free deionized water samples provided by the laboratory to accompany the samples during all stages of shipment, storage, and analysis. Trip blanks are used to evaluate the potential for the artificial introduction or cross-contamination of analytes into the investigative samples during the transportation and sample handling processes. One set of trip blanks accompanied each sample delivery group from the field to the laboratory and was analyzed for VOCs by EPA Method 8260B.

A trip blank accompanied each sample delivery group associated with the subsurface investigation. VOC compounds were not detected in the trip blanks.

7.1.2. Field Quality Assurance and Quality Control Equipment Blank

Quality control equipment blanks (QCEBs) are samples collected by pouring carbon-free deionized water over and/or through sample collection devices following the aforementioned decontamination procedures. QCEBs are used to evaluate the effectiveness of the decontamination procedures and determine if sample cross-contamination has occurred. One QCEB was collected at the end of each sampling day. The QCEBs were analyzed for TPH-ero by EPA Method 8015M (with silica gel cleanup), VOCs by EPA Method 8260B, PAHs by EPA Method 8270C, PCBs/PCTs by EPA Methods 8082 and 8082M respectively, and Title 22 Metals by EPA Methods 6010B/7471A.

An equipment blank accompanied each sample delivery group associated with the subsurface investigation. The QCEB sample collected December 18, 2010 had a concentration of zinc above the reporting limit and the QCEB sample collected December 19, 2010 had a concentration of naphthalene above the laboratory reporting limit. These detections do not exceed the detected concentrations of either zinc or naphthalene in samples collected on December 18 and December 19, 2010, respectively. Therefore, the data are acceptable for their intended purpose.

8. SUMMARY OF FINDINGS

This section summarizes the analytical results of the December 2010 subsurface investigation. Figure 3 indicates the sampling locations, Table 2 summarizes the analytes detected in soil, Table 3 summarizes the analytes detected in groundwater, and Table 4 summarizes the analytes detected in cooling water tunnel sediment.

8.1. Soil Sample Analytical Results

Based on visual observation, the soil generally consisted of silty sand to sandy silt and consisted primarily of hydraulically placed fill. Photoionization detector screening of the soil cuttings did not indicate the presence of VOCs, and neither staining nor unusual odors were noted from any of the borings. A copy of the laboratory analytical results is included in Appendix D. The following provides a summary of the soil sample analytical results:

- TPH was detected in 36 soil samples at or above the method detection limits. Table 5 provides a summary of all TPH soil sample analytical results.
- VOCs were detected in 16 soil samples at or above the method detection limit. Table 6 provides a summary of all VOC soil sample analytical results.
- PAHs were detected in 18 soil samples at or above the method detection limit. Table 7 provides a summary of all PAH soil sample analytical results.
- PCBs were detected above the method detection limit as Aroclor 1254 in six soil samples and as Aroclor 1260 in eight soil samples. PCTs, as Aroclor 5460, were detected in

eight soil samples at or above the method detection limit. Table 8 provides a summary of all the PCB/PCT soil sample analytical results.

- Metals were detected above the reporting limit in numerous samples. Metals analytical results in soil samples are summarized in Table 9.

8.2. Groundwater Sample Analytical Results

Neither odor nor visible free-product was observed in the groundwater samples at the time of collection. Groundwater sampling locations are depicted on Figure 3. A copy of the laboratory analytical results is included in Appendix D. The following provides a summary of the groundwater analytical results:

- TPH was detected in eight groundwater samples at or above the method detection limits. Table 10 provides a summary of all TPH groundwater sample analytical results.

- VOCs were detected in nine groundwater samples at or above the method detection limit. Table 11 provides a summary of all VOC groundwater sample analytical results.

- Fluoranthene was detected above the method detection limit in the groundwater sampled collected from SB10. Other PAHs were not detected in groundwater at or above the method detection limit. Table 12 provides a summary of all PAH groundwater sample analytical results.

- PCBs/PCTs were not detected at or above the method detection limit in the groundwater samples analyzed. Table 13 provides a summary of all PCB/PCT groundwater sample analytical results.

- Metals were detected above the reporting limit in numerous samples. Metals analytical results in groundwater samples are summarized in Table 14.

8.3. Cooling Water Tunnel Sediment Sample Analytical Results

Based on visual observation of the sediment extracted from the two cooling water tunnels, the sediment generally consisted of silty sands to sandy silts. Sediment samples from the discharge and intake tunnels had a slight hydrocarbon odor, and the samples were generally gray to black in color. A copy of the laboratory analytical results is included in Appendix D. The following provides a summary of the sediment sample analytical results.

- TPH was detected in four of the five cooling water tunnel sediment samples at or above the method detection limits. Table 15 provides a summary of all TPH cooling water tunnel sediment sample analytical results.

- Benzene was detected above the method detection limit in the cooling water tunnel sediment sample DT01. Other VOCs were not detected at or above the method detection limit in cooling water tunnel sediment samples. Table 16 provides a summary of all VOC cooling water tunnel sediment sample analytical results.

- PAHs were detected in four of the five cooling water tunnel sediment samples at or above the method detection limit. Table 17 provides a summary of all PAH cooling water tunnel sediment sample analytical results.

- PCBs, as Aroclor 1260, and PCTs, as Aroclor 5460, were detected above the method detection limit in four of the five cooling water tunnel sediment samples. Table 18 provides a summary of all PCB/PCT cooling water tunnel sediment sample analytical results.

- Metals were detected above the reporting limit in numerous samples. Metals analytical results in cooling water tunnel sediment samples are summarized in Table 19.

9. LABORATORY DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

A quality assurance/quality control (QA/QC) review was performed on the analytical data from the subsurface investigation to assess the quality and usability of the laboratory data. The QA/QC review evaluated the holding times, trip and equipment blank samples, laboratory internal quality control, surrogate recovery, and data qualifiers.

Based upon the results of the laboratory QA/QC review, it is the opinion of Ninyo & Moore that these analytical data are acceptable for use as intended.

10. LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines, and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent

activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

The environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The data contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

11. REFERENCES

ENV America Incorporated, 2004, Site Assessment Report – Landside Tidelands Lease Area – Silver Gate Power Plant, San Diego, California, prepared for San Diego Gas and Electric Company: dated July 14.

ENV America Incorporated, 2004a, Technical Report for RWQCB Investigative Order No. R9-2004-0026, Silver Gate Power Plant, San Diego, California, prepared for San Diego Gas and Electric Company: dated July 14.

U.S. Environmental Protection Agency (EPA), 2000, SW-846. Test methods for Evaluating Solid Waste, Physical/Chemical Methods. Office of Solid Waste and Emergency Response. Washington, DC.



SOURCE: 2008 Thomas Guide for San Diego County, Street Guide and Directory; Map © Rand McNally, R.L.07-S-129

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE

SCALE IN FEET

0 1,200 2,400 4,800

N

Ninyo & Moore	SITE LOCATION	FIGURE
PROJECT NO. / DATE	FORMER SDG&E TIDELANDS AREA SAN DIEGO, CALIFORNIA	1
106942001 / 5/11		

106942001_sl.mxd



SOURCE: Aerial Imagery - Photo Date: January, 2009, ESRI, i-cubed, USDA FSA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGP.

LEGEND

SITE BOUNDARY

SCALE IN FEET

0 50 100 200

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE

Ninyo & Moore	SITE PLAN	FIGURE
PROJECT NO. 106942001 / DATE 5/11	FORMER SDG&E TIDELANDS AREA SAN DIEGO, CALIFORNIA	2

106942001_sp.mxd

N

BELT STREET

IT-01
DT-01
CPT-07
CPT-08/SB08*
CPT-12
CPT-15/SB15*
CPT-17
CPT-06
CPT-16/SB16*
CPT-11/SB11
CPT-13/SB13
SB41
CPT-10/SB10*
CPT-14/SB14
CPT-05/SB05
CPT-18/SB18*
SB40
POND B
(1966-1973)
CPT-04
CPT-09/SB09
SB39
CPT-29/SB29
IT-02
DT-02A/02B
CPT-03/SB03*
CPT-19/SB19
CPT-01/SB01
CPT-30/SB30*
CPT-02/SB02
CPT-36/SB36*
CPT-31/SB31*
CPT-35/SB35
CPT-34/SB34*
CPT-38/SB38*
POND A
(1952)
CPT-37/SB37
CPT-32/SB32
CPT-20
CPT-33/SB33*
CPT-28/SB28*
CPT-25
CPT-26/SB26
CPT-27
CPT-24A
CPT-24
CPT-23
CPT-22/SB22
CPT-21/SB21*

San Diego Bay

LEGEND

CPT-01/SB01*	CPT LOCATION/SOIL BORING ADJACENT TO CPT LOCATION * TEMPORARY GROUNDWATER WELL INSTALLED
DT-02A/02B	SEDIMENT SAMPLE LOCATION
	SITE BOUNDARY
	APPROXIMATE LOCATION OF FORMER WASTE POND
	COOLING WATER INTAKE AND DISCHARGE TUNNEL

SOURCE: Aerial Imagery - (c) 2010 Microsoft Corporation and its data suppliers

SCALE IN FEET

0 20 40 80

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE

Ninyo & Moore

CPT/SOIL BORING LOCATIONS

FIGURE 3

PROJECT NO.	DATE
106942001	5/11

FORMER SDG&E TIDELANDS AREA
SAMPSON & BELT STREET
SAN DIEGO, CALIFORNIA

106942001_cpt_sb11X17.mxd

Table 1
Boring Completion Details and Sampling Depths

Boring ID	Date Advanced	Sampling Depths (feet bgs)	Temporary Well Screen Interval (feet bgs)	Measured Depth to Water (feet bgs)
CPT-01/SB01	12/18/2010	2.0-4.0 12.5-13.0 33.0-35.0	10-15	8.5
CPT-02/SB02	12/18/2010	1.0-3.0 14.0-16.0 34.0-36.0	--	--
CPT-03/SB03	12/18/2010	1.0-1.5 14.0-16.0 21.0-23.0 34.0-36.0	28-33	10.1
CPT-04/SB04	No Sampling			
CPT-05/SB05	12/18/2010	2.0-4.0 12.0-14.0 25.0-27.0 36.0-38.0	--	--
CPT-06	No Sampling			
CPT-07	No Sampling			
CPT-08/SB08	12/18/2010	3.0-5.0 14.0-16.0 17.0-19.0	14-19	9.95
CPT-09/SB09	12/18/2010	1.0-5.0 13.0-16.0 18.5-20.0 21.0-22.0 32.0-33.5	--	--
CPT-10/SB10	12/19/2010	4.0-5.0 7.5-9.0 20.0-22.0 24.0-25.5 32.0-33.0	27-32	9.5
CPT-11/SB11	12/19/2010	5.0-7.0 9.5-10.0 18.0-20.0	--	--
CPT-12	No Sampling			
CPT-13/SB13	12/21/2010	1.0-3.5 14.0-16.0 19.0-23.0	--	--
CPT-14/SB14	12/21/2010	3.0-5.0 12.5-14.0 15.0-16.5 16.5-17.5	--	--
CPT-15/SB15	12/21/2010	3.0-5.0 12.0-14.0 16.0-18.0	13-18	9.25
CPT-16/SB16	12/21/2010	4.0-6.0 16.0-18.0	13-18	9.2

Boring ID	Date Advanced	Sampling Depths (feet bgs)	Temporary Well Screen Interval (feet bgs)	Measured Depth to Water (feet bgs)
CPT-17	No Sampling			
CPT-18/SB18	12/20/2010	1.0-3.0	24-29	9.11
		3.0-5.0		
		8.0-9.0		
		12.0-13.5		
		22.0-24.0		
		27.5-29.0		
CPT-19/SB19	12/20/2010	15.5-16.0	--	--
		18.0-20.0		
		22.0-25.0		
CPT-20	No Sampling			
CPT-21/SB21	12/20/2010	3.0-5.0	20-25	9.95
		13.0-14.5		
		28.0-30.0		
CPT-22/SB22	12/20/2010	4.0-6.0	--	--
		9.5-10.5		
		16.0-18.0		
		21.0-23.0		
CPT-23	No Sampling			
CPT-24	No Sampling			
CPT-25	No Sampling			
CPT-26/SB26	12/19/2010	2.0-4.0	--	--
		8.0-10.0		
		14.0-16.0		
		24.0-26.0		
CPT-27	No Sampling			
CPT-28/SB28	12/20/2010	3.0-5.0	15-20	9.75
		15.5-17.0		
		19.5-21.5		
		23.0-25.0		
CPT-29/SB29	12/20/2010	1.0-3.0	--	--
		3.0-5.0		
		13.0-15.5		
		16.5-17.0		
		21.0-24.0		
		25.0-26.5		
CPT-30/SB30	12/20/2010	3.0-5.0	15-20	9.81
		13.0-15.0		
		18.0-20.0		
		26.0-28.0		
CPT-31/SB31	12/21/2010	3.0-5.0	22-27	8.94
		24.5-25.5		
		26.0-30.0		
		30.0-34.0		

Table 1
Boring Completion Details and Sampling Depths

Boring ID	Date Advanced	Sampling Depths (feet bgs)	Temporary Well Screen Interval (feet bgs)	Measured Depth to Water (feet bgs)
CPT-32/SB32	12/21/2010	4.0-5.0 12.0-15.0 15.0-16.0 28.0-30.0	--	
CPT-33/SB33	12/19/2010	1.0-3.0 15.5-16.5 25.0-27.0 37.0-39.0	20-25	9.65
CPT-34/SB34	12/19/2010	1.0-3.0 14.0-16.0 24.0-26.0	13-18	9.75
CPT-35/SB35	12/19/2010	1.0-3.0 7.0-8.5 14.0-18.0	--	--
CPT-36/SB36	12/19/2010	1.0-4.0 7.0-9.0 14.0-25.0 35.0-36.5	20-25	9.4
CPT-37/SB37	12/19/2010	1.0-3.0 10.0-12.0 13.0-15.0	--	--
CPT-38/SB38	12/21/2010	1.0-3.0 10.0-12.0 30.0-32.0	25-30	8.64
SB39	No Sampling / Refusal at 1 foot bgs			
SB40	12/20/2010	2.0-3.0 5.0-6.5 10.0-11.5	--	--
SB41	No Sampling / Refusal at 2 feet bgs			

Notes:
ngs = below ground surface
CPT = cone penetration testing
SB = soil boring

SDG&E Tidelands Area
San Diego, California

Table 2
Analytes Detected* in Soil

January 28, 2011
Revised May 24, 2011
Project No. 106942001

		Boring ID:	SB01	SB01	SB01	SB02	SB02	SB02	SB02	SB03	SB03	SB03	SB03	SB05	SB05	SB05
		Sample Depth (feet bgs):	04.0	13.0	35.0	02.0	03.0	16.0	34.5	01.5	16.0	21.5	34.5	04.0	12.5	14.0
		Sample ID:	SB01-2.0-4.0	SB01-12.5-13.0	SB01-34.5-35.0	SB02-1.5-2.0	SB02-1.0-3.0	SB02-14.0-16.0	SB02-34.0-34.5	SB03-1.0-1.5	SB03-14.0-16.0	SB03-21.0-21.5	SB03-34.0-34.5	SB05-2.0-4.0	SB05-12.0-12.5	SB05-12.0-14.0
ANALYSIS	**ANALYTE**	**UNITS**														
PCBs/PCTs	Aroclor 1254	µg/kg														
PCBs/PCTs	Aroclor 1260	µg/kg														
PCBs/PCTs	Aroclor 5460	µg/kg														
PAHs	Acenaphthene	mg/kg														
PAHs	Acenaphthylene	mg/kg					1.3			3.1				0.12		
PAHs	Anthracene	mg/kg					0.63			1.5				0.064		
PAHs	Benzo(a)anthracene	mg/kg	0.023	0.050			3.4			7.6	0.045			0.27		
PAHs	Benzo(a)pyrene	mg/kg	0.034	0.092			5.2	0.031		13	0.15			0.44		0.042
PAHs	Benzo(b)fluoranthene	mg/kg	0.030	0.061			3.5			8.6	0.12			0.30		0.031
PAHs	Benzo(g,h,i)perylene	mg/kg	0.040	0.070			5.7	0.030		13	0.16			0.55		0.042
PAHs	Benzo(k)fluoranthene	mg/kg	0.023	0.063			3.7			8.1	0.074			0.33		0.026
PAHs	Chrysene	mg/kg	0.036	0.064			4.6			10	0.055			0.36		
PAHs	Dibenzo(a,h)anthracene	mg/kg					0.87			2.0				0.074		
PAHs	Fluoranthene	mg/kg	0.032	0.083			5.0			12	0.10			0.40		0.030
PAHs	Fluorene	mg/kg														
PAHs	Indeno(1,2,3-c,d)pyrene	mg/kg	0.024	0.054			4.0			9.2	0.11			0.37		0.029
PAHs	1-Methylnaphthalene	mg/kg					0.26									
PAHs	2-Methylnaphthalene	mg/kg					0.51			0.49						
PAHs	Naphthalene	mg/kg					0.92			1.2				0.069		
PAHs	Phenanthrene	mg/kg					2.3			4.6				0.19		
PAHs	Pyrene	mg/kg	0.057	0.13			9.5	0.039		23	0.14			0.75		0.031
TPH	C11-C12	mg/kg					6.8									
TPH	C13-C14	mg/kg					10									
TPH	C15-C16	mg/kg					16									
TPH	C17-C18	mg/kg					21			97						
TPH	C19-C20	mg/kg					23			220						
TPH	C21-C22	mg/kg					22			280						
TPH	C23-C24	mg/kg					17			220						
TPH	C25-C28	mg/kg					33			300				7.0		
TPH	C29-C32	mg/kg	11				66			410				13		
TPH	C33-C36	mg/kg	7.9				47			240				7.2		
TPH	C37-C40	mg/kg	8.9				37			150				6.2		
TPH	C41-C44	mg/kg	5.7				24			77						
TPH	C6-C44 Total	mg/kg	38				320			2100				48		
VOCs	Benzene	µg/kg				1.7				3.5						
VOCs	Carbon disulfide	µg/kg														
VOCs	Chlorobenzene	µg/kg														
VOCs	1,2-Dichlorobenzene	µg/kg														
VOCs	1,4-Dichlorobenzene	µg/kg														
VOCs	1,1-Dichloroethane	µg/kg										1.2				
VOCs	1,2-Dichloroethane	µg/kg														
VOCs	1,1-Dichloroethene	µg/kg							1.9			10	9.2		2.2	
VOCs	cis-1,2-Dichloroethene	µg/kg			1.6				1.8			1.6	1.7		1.2	
VOCs	trans-1,2-Dichloroethene	µg/kg														
VOCs	Ethylbenzene	µg/kg														
VOCs	Freon 11 (Trichlorofluoromethane)	µg/kg														
VOCs	Methyl Tert-butyl ether (MTBE)	µg/kg														
VOCs	Toluene	µg/kg								1.6						
VOCs	Trichloroethene	µg/kg			2.6				5.0			4.7	5.9			
VOCs	Vinyl Chloride	µg/kg														

Notes:
*Detected metals not included.
bgs = below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
PAHs = polynuclear aromatic hydrocarbons
PCBs/PCTs = polychlorinated biphenyls/triphenyls
VOCs = volatile organic compounds

SDG&E Tidelands Area
San Diego, California

Table 2
Analytes Detected* in Soil

January 28, 2011
Revised May 24, 2011
Project No. 106942001

		Boring ID:	SB05	SB05	SB08	SB08	SB08	SB08	SB09	SB09	SB09	SB09	SB09	SB09	SB09	SB10
		Sample Depth (feet bgs):	25.5	36.5	05.0	15.5	16.0	19.0	04.5	05.0	16.0	20.0	22.0	22.5	34.0	05.0
		Sample ID:	SB05-25.0-25.5	SB05-36.0-36.5	SB08-3.0-5.0	SB08-15.0-15.5	SB08-14.0-16.0	SB08-18.5-19.0	SB09-4.0-4.5	SB09-1.0-5.0	SB09-13.0-16.0	SB09-18.5-20.0	SB09-21.0-22.0	SB09-22.0-22.5	SB09-33.0-34.0	SB10-4.0-5.0
ANALYSIS	**ANALYTE**	**UNITS**														
PCBs/PCTs	Aroclor 1254	µg/kg														
PCBs/PCTs	Aroclor 1260	µg/kg														
PCBs/PCTs	Aroclor 5460	µg/kg			390											
PAHs	Acenaphthene	mg/kg														
PAHs	Acenaphthylene	mg/kg			0.042											
PAHs	Anthracene	mg/kg			0.025											
PAHs	Benzo(a)anthracene	mg/kg			0.068		0.034									
PAHs	Benzo(a)pyrene	mg/kg			0.11		0.10			0.028			0.029			0.024
PAHs	Benzo(b)fluoranthene	mg/kg			0.080		0.082			0.025						
PAHs	Benzo(g,h,i)perylene	mg/kg			0.16		0.096			0.033			0.029			
PAHs	Benzo(k)fluoranthene	mg/kg			0.074		0.058						0.026			
PAHs	Chrysene	mg/kg			0.083		0.030			0.022			0.029			
PAHs	Dibenzo(a,h)anthracene	mg/kg			0.023											
PAHs	Fluoranthene	mg/kg			0.082		0.045			0.022			0.080			0.024
PAHs	Fluorene	mg/kg														
PAHs	Indeno(1,2,3-c,d)pyrene	mg/kg			0.10		0.068									
PAHs	1-Methylnaphthalene	mg/kg														
PAHs	2-Methylnaphthalene	mg/kg														
PAHs	Naphthalene	mg/kg														
PAHs	Phenanthrene	mg/kg			0.042											
PAHs	Pyrene	mg/kg			0.13		0.092			0.033	0.035	0.051	0.10			0.031
TPH	C11-C12	mg/kg														
TPH	C13-C14	mg/kg														
TPH	C15-C16	mg/kg														
TPH	C17-C18	mg/kg														
TPH	C19-C20	mg/kg			5.6											
TPH	C21-C22	mg/kg			7.2											
TPH	C23-C24	mg/kg			5.8											
TPH	C25-C28	mg/kg			13											
TPH	C29-C32	mg/kg			28											
TPH	C33-C36	mg/kg			17											
TPH	C37-C40	mg/kg			8.2											
TPH	C41-C44	mg/kg														
TPH	C6-C44 Total	mg/kg			92											
VOCs	Benzene	µg/kg							1.4							
VOCs	Carbon disulfide	µg/kg														
VOCs	Chlorobenzene	µg/kg														
VOCs	1,2-Dichlorobenzene	µg/kg														
VOCs	1,4-Dichlorobenzene	µg/kg														
VOCs	1,1-Dichloroethane	µg/kg														
VOCs	1,2-Dichloroethane	µg/kg	0.84	1.9												
VOCs	1,1-Dichloroethene	µg/kg	1.7													
VOCs	cis-1,2-Dichloroethene	µg/kg				1.1		1.9						3.4		
VOCs	trans-1,2-Dichloroethene	µg/kg														
VOCs	Ethylbenzene	µg/kg													0.86	
VOCs	Freon 11 (Trichlorofluoromethane)	µg/kg														
VOCs	Methyl Tert-butyl ether (MTBE)	µg/kg														
VOCs	Toluene	µg/kg														
VOCs	Trichloroethene	µg/kg	2.5	2.2				4.4								
VOCs	Vinyl Chloride	µg/kg														

Notes:
*Detected metals not included.
bgs = below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
PAHs = polynuclear aromatic hydrocarbons
PCBs/PCTs = polychlorinated biphenyls/triphenyls
VOCs = volatile organic compounds

SDG&E Tidelands Area
San Diego, California

Table 2
Analytes Detected* in Soil

January 28, 2011
Revised May 24, 2011
Project No. 106942001

		Boring ID:	SB10	SB10	SB10	SB10	SB11	SB11	SB11	SB11	SB11	SB13	SB13	SB13	SB13	SB14
		Sample Depth (feet bgs):	09.0	22.0	25.5	25.5	07.0	07.5	10.0	11.0	20.0	03.5	15.0	16.0	22.5	04.5
		Sample ID:	SB10-7.5-9.0	SB10-20.0-22.0	SB10-24.0-25.5	SB10-25.0-25.5	SB11-5.0-7.0	SB11-7.0-7.5	SB11-9.5-10.0	SB11-10.5-11.0	SB11-18.0-20.0	SB13-1.0-3.5	SB13-14.5-15.0	SB13-14.0-16.0	SB13-22.0-22.5	SB14-4.0-4.5
ANALYSIS	**ANALYTE**	**UNITS**														
PCBs/PCTs	Aroclor 1254	µg/kg														
PCBs/PCTs	Aroclor 1260	µg/kg														
PCBs/PCTs	Aroclor 5460	µg/kg														
PAHs	Acenaphthene	mg/kg														
PAHs	Acenaphthylene	mg/kg					0.033					0.048				
PAHs	Anthracene	mg/kg										0.043				
PAHs	Benzo(a)anthracene	mg/kg	0.031	0.031	0.11		0.068		0.031		0.028	0.072		0.026		
PAHs	Benzo(a)pyrene	mg/kg	0.044	0.025	0.034		0.10		0.044		0.053	0.078		0.059		
PAHs	Benzo(b)fluoranthene	mg/kg	0.035	0.030	0.045		0.083		0.043		0.062	0.072		0.041		
PAHs	Benzo(g,h,i)perylene	mg/kg	0.029				0.088		0.036			0.17		0.049		
PAHs	Benzo(k)fluoranthene	mg/kg	0.034	0.027	0.037		0.077				0.052	0.057		0.037		
PAHs	Chrysene	mg/kg	0.042	0.036	0.099		0.091		0.042		0.040	0.10		0.027		
PAHs	Dibenzo(a,h)anthracene	mg/kg														
PAHs	Fluoranthene	mg/kg	0.047	0.052	0.74		0.084		0.037		0.056	0.13		0.046		
PAHs	Fluorene	mg/kg														
PAHs	Indeno(1,2,3-c,d)pyrene	mg/kg	0.024				0.065		0.024			0.057		0.037		
PAHs	1-Methylnaphthalene	mg/kg														
PAHs	2-Methylnaphthalene	mg/kg														
PAHs	Naphthalene	mg/kg												0.052		
PAHs	Phenanthrene	mg/kg					0.024					0.10				
PAHs	Pyrene	mg/kg	0.057	0.13	0.68		0.12		0.053		0.23	0.17		0.12		
TPH	C11-C12	mg/kg														
TPH	C13-C14	mg/kg														
TPH	C15-C16	mg/kg														
TPH	C17-C18	mg/kg														
TPH	C19-C20	mg/kg			7.1											
TPH	C21-C22	mg/kg			18											
TPH	C23-C24	mg/kg			61							18				
TPH	C25-C28	mg/kg			120		5.9		9.8			31		7.4		
TPH	C29-C32	mg/kg			94		25		64			66		11		
TPH	C33-C36	mg/kg			62		20		58			56				
TPH	C37-C40	mg/kg			40		16		52			47				
TPH	C41-C44	mg/kg			29		15		44			32				
TPH	C6-C44 Total	mg/kg			430		84		230			270		36		
VOCs	Benzene	µg/kg						1.3		1.7						3.4
VOCs	Carbon disulfide	µg/kg											11			
VOCs	Chlorobenzene	µg/kg														
VOCs	1,2-Dichlorobenzene	µg/kg														
VOCs	1,4-Dichlorobenzene	µg/kg														
VOCs	1,1-Dichloroethane	µg/kg														
VOCs	1,2-Dichloroethane	µg/kg														
VOCs	1,1-Dichloroethene	µg/kg														
VOCs	cis-1,2-Dichloroethene	µg/kg				1.1									11	
VOCs	trans-1,2-Dichloroethene	µg/kg													1.0	
VOCs	Ethylbenzene	µg/kg														
VOCs	Freon 11 (Trichlorofluoromethane)	µg/kg														
VOCs	Methyl Tert-butyl ether (MTBE)	µg/kg														
VOCs	Toluene	µg/kg														
VOCs	Trichloroethene	µg/kg													16	
VOCs	Vinyl Chloride	µg/kg														

Notes:
*Detected metals not included.
bgs = below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
PAHs = polynuclear aromatic hydrocarbons
PCBs/PCTs = polychlorinated biphenyls/triphenyls
VOCs = volatile organic compounds

SDG&E Tidelands Area
San Diego, California

Table 2
Analytes Detected* in Soil

January 28, 2011
Revised May 24, 2011
Project No. 106942001

		Boring ID:	SB14	SB14	SB14	SB15	SB15	SB16	SB18	SB18	SB18	SB18	SB18	SB18	SB18	SB19
		Sample Depth (feet bgs):	14.0	16.5	17.5	17.0	18.0	18.0	03.0	05.0	09.0	13.5	13.5	23.5	28.0	16.0
		Sample ID:	SB14-12.5-14.0	SB14-15.0-16.5	SB14-16.5-17.5	SB15-16.5-17.0	SB15-16.0-18.0	SB16-16.0-18.0	SB18-1.0-3.0	SB18-3.0-5.0	SB18-8.0-9.0	SB18-12.0-13.5	SB18-13.0-13.5	SB18-23.0-23.5	SB18-27.5-28.0	SB19-15.5-16.0
ANALYSIS	**ANALYTE**	**UNITS**														
PCBs/PCTs	Aroclor 1254	µg/kg							**190**	**140**						
PCBs/PCTs	Aroclor 1260	µg/kg							200	150						
PCBs/PCTs	Aroclor 5460	µg/kg							210		75					
PAHs	Acenaphthene	mg/kg							0.58	0.85						
PAHs	Acenaphthylene	mg/kg			0.029					0.55	0.20					
PAHs	Anthracene	mg/kg							0.39	1.7	0.23					
PAHs	Benzo(a)anthracene	mg/kg	0.076		0.12				0.60	2.7	0.60	0.18				0.059
PAHs	Benzo(a)pyrene	mg/kg	0.15		0.24		0.035		0.65	2.6	0.66	0.18				0.064
PAHs	Benzo(b)fluoranthene	mg/kg	0.11		0.16		0.036		0.36	1.1	0.52					0.035
PAHs	Benzo(g,h,i)perylene	mg/kg	0.12		0.19		0.029		0.60	1.7	0.55	0.16				0.034
PAHs	Benzo(k)fluoranthene	mg/kg	0.088		0.15				0.25		0.35					0.049
PAHs	Chrysene	mg/kg	0.086		0.14				1.1	5.1	0.85	0.30				0.072
PAHs	Dibenzo(a,h)anthracene	mg/kg														
PAHs	Fluoranthene	mg/kg	0.17		0.25		0.030	0.025	0.56	1.9	1.0	0.18				0.082
PAHs	Fluorene	mg/kg							0.56							
PAHs	Indeno(1,2,3-c,d)pyrene	mg/kg	0.089		0.14				0.34	0.60	0.36					0.029
PAHs	1-Methylnaphthalene	mg/kg							3.5	0.52	0.25					
PAHs	2-Methylnaphthalene	mg/kg							0.44							
PAHs	Naphthalene	mg/kg									0.11					
PAHs	Phenanthrene	mg/kg			0.026				2.1	7.9	1.8	0.56				
PAHs	Pyrene	mg/kg	0.33		0.45		0.055	0.042	1.8	10	2.1	0.83				0.11
TPH	C11-C12	mg/kg														
TPH	C13-C14	mg/kg							120							
TPH	C15-C16	mg/kg							120	330		34				
TPH	C17-C18	mg/kg							140	530	39	51				
TPH	C19-C20	mg/kg	7.3						170	790	62	80				
TPH	C21-C22	mg/kg	8.7						230	830	72	80				
TPH	C23-C24	mg/kg	8.2						390	1400	120	130				
TPH	C25-C28	mg/kg	12	6.8					670	2100	200	210				
TPH	C29-C32	mg/kg	19	11	9.2				1000	2800	290	310				
TPH	C33-C36	mg/kg	10						680	2100	240	220				
TPH	C37-C40	mg/kg	7.5						540	1500	190	190				
TPH	C41-C44	mg/kg							340	1000	160	150				
TPH	C6-C44 Total	mg/kg	87	42	38				4400	14000	1400	1500				17
VOCs	Benzene	µg/kg														
VOCs	Carbon disulfide	µg/kg														
VOCs	Chlorobenzene	µg/kg											1.1			
VOCs	1,2-Dichlorobenzene	µg/kg											1.8			
VOCs	1,4-Dichlorobenzene	µg/kg											1.4			
VOCs	1,1-Dichloroethane	µg/kg														
VOCs	1,2-Dichloroethane	µg/kg														
VOCs	1,1-Dichloroethene	µg/kg														
VOCs	cis-1,2-Dichloroethene	µg/kg				1.6								2.7	7.0	
VOCs	trans-1,2-Dichloroethene	µg/kg														
VOCs	Ethylbenzene	µg/kg														
VOCs	Freon 11 (Trichlorofluoromethane)	µg/kg											33			
VOCs	Methyl Tert-butyl ether (MTBE)	µg/kg														
VOCs	Toluene	µg/kg														
VOCs	Trichloroethene	µg/kg												3.1	17	
VOCs	Vinyl Chloride	µg/kg														

Notes:
*Detected metals not included.
bgs = below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
PAHs = polynuclear aromatic hydrocarbons
PCBs/PCTs = polychlorinated biphenyls/triphenyls
VOCs = volatile organic compounds

SDG&E Tidelands Area
San Diego, California

Table 2
Analytes Detected* in Soil

January 28, 2011
Revised May 24, 2011
Project No. 106942001

		Boring ID:	SB19	SB19	SB19	SB21	SB21	SB21	SB21	SB21	SB22	SB22	SB22	SB26	SB26	SB26
		Sample Depth (feet bgs):	17.5	22.5	25.0	05.0	05.0	14.0	14.5	28.0	06.0	17.5	18.0	04.0	10.0	10.0
		Sample ID:	SB19-17.0-17.5	SB19-22.0-22.5	SB19-22.0-25.0	SB21-3.0-5.0	SB21-4.5-5.0	SB21-13.5-14.0	SB21-13.0-14.5	SB21-27.5-28.0	SB22-4.0-6.0	SB22-17.0-17.5	SB22-16.0-18.0	SB26-2.5-4.0	SB26-8.0-10.0	SB26-9.5-10.0
ANALYSIS	ANALYTE	UNITS														
PCBs/PCTs	Aroclor 1254	µg/kg				**100**										
PCBs/PCTs	Aroclor 1260	µg/kg				110										
PCBs/PCTs	Aroclor 5460	µg/kg				4200										
PAHs	Acenaphthene	mg/kg														
PAHs	Acenaphthylene	mg/kg				0.075					0.032					
PAHs	Anthracene	mg/kg				0.049										
PAHs	Benzo(a)anthracene	mg/kg				0.16					0.068			0.043		
PAHs	Benzo(a)pyrene	mg/kg				0.28			0.063		0.10			0.072		
PAHs	Benzo(b)fluoranthene	mg/kg				0.22			0.050		0.054			0.063		
PAHs	Benzo(g,h,i)perylene	mg/kg				0.36			0.068		0.081			0.073		
PAHs	Benzo(k)fluoranthene	mg/kg				0.17			0.037		0.083			0.044		
PAHs	Chrysene	mg/kg				0.21			0.026		0.096			0.059		
PAHs	Dibenzo(a,h)anthracene	mg/kg				0.039										
PAHs	Fluoranthene	mg/kg				0.30			0.040		0.094			0.16	0.024	
PAHs	Fluorene	mg/kg			0.031											
PAHs	Indeno(1,2,3-c,d)pyrene	mg/kg				0.24			0.047		0.064			0.049		
PAHs	1-Methylnaphthalene	mg/kg														
PAHs	2-Methylnaphthalene	mg/kg														
PAHs	Naphthalene	mg/kg				0.028										
PAHs	Phenanthrene	mg/kg				0.17								0.056		
PAHs	Pyrene	mg/kg			0.027	0.45			0.060		0.12		0.025	0.14	0.026	
TPH	C11-C12	mg/kg														
TPH	C13-C14	mg/kg														
TPH	C15-C16	mg/kg														
TPH	C17-C18	mg/kg														
TPH	C19-C20	mg/kg														
TPH	C21-C22	mg/kg														
TPH	C23-C24	mg/kg											17			
TPH	C25-C28	mg/kg				19							21			
TPH	C29-C32	mg/kg				50					14		28			
TPH	C33-C36	mg/kg				49					15		14			
TPH	C37-C40	mg/kg				50					21		10			
TPH	C41-C44	mg/kg				41					21		6.5			
TPH	C6-C44 Total	mg/kg				230					74		97	20		
VOCs	Benzene	µg/kg					1.1									1.1
VOCs	Carbon disulfide	µg/kg														
VOCs	Chlorobenzene	µg/kg														
VOCs	1,2-Dichlorobenzene	µg/kg														
VOCs	1,4-Dichlorobenzene	µg/kg														
VOCs	1,1-Dichloroethane	µg/kg														
VOCs	1,2-Dichloroethane	µg/kg														
VOCs	1,1-Dichloroethene	µg/kg														
VOCs	cis-1,2-Dichloroethene	µg/kg	1.8	2.2						5.1		3.1				
VOCs	trans-1,2-Dichloroethene	µg/kg														
VOCs	Ethylbenzene	µg/kg														
VOCs	Freon 11 (Trichlorofluoromethane)	µg/kg														
VOCs	Methyl Tert-butyl ether (MTBE)	µg/kg								1.9						
VOCs	Toluene	µg/kg														
VOCs	Trichloroethene	µg/kg	2.4	3.0						6.8						
VOCs	Vinyl Chloride	µg/kg						4.7								

Notes:
*Detected metals not included.
bgs = below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
PAHs = polynuclear aromatic hydrocarbons
PCBs/PCTs = polychlorinated biphenyls/triphenyls
VOCs = volatile organic compounds

SDG&E Tidelands Area
San Diego, California

Table 2
Analytes Detected* in Soil

January 28, 2011
Revised May 24, 2011
Project No. 106942001

		Boring ID:	SB26	SB26	SB28	SB28	SB29	SB29	SB29	SB29	SB29	SB29	SB29	SB30	SB30	SB31
		Sample Depth (feet bgs):	15.5	16.0	05.0	21.5	03.0	04.5	05.0	15.5	17.0	23.5	26.0	15.0	26.5	04.5
		Sample ID:	SB26-15.0-15.5	SB26-14.0-16.0	SB28-3.0-5.0	SB28-19.5-21.5	SB29-1.0-3.0	SB29-4.0-4.5	SB29-3.0-5.0	SB29-13.0-15.5	SB29-16.5-17.0	SB29-23.0-23.5	SB29-25.5-26.0	SB30-13.0-15.0	SB30-26.0-26.5	SB31-4.0-4.5
ANALYSIS	**ANALYTE**	**UNITS**														
PCBs/PCTs	Aroclor 1254	µg/kg					**290**									
PCBs/PCTs	Aroclor 1260	µg/kg					230									
PCBs/PCTs	Aroclor 5460	µg/kg					340				78					
PAHs	Acenaphthene	mg/kg														
PAHs	Acenaphthylene	mg/kg							0.050		0.065					
PAHs	Anthracene	mg/kg														
PAHs	Benzo(a)anthracene	mg/kg							0.054	0.032	0.093					
PAHs	Benzo(a)pyrene	mg/kg		0.072			0.39		0.18	0.089	0.32					
PAHs	Benzo(b)fluoranthene	mg/kg		0.052			0.27		0.10	0.059	0.21					
PAHs	Benzo(g,h,i)perylene	mg/kg		0.063			0.60		0.17	0.077	0.24					
PAHs	Benzo(k)fluoranthene	mg/kg		0.036					0.097	0.058	0.14					
PAHs	Chrysene	mg/kg		0.025			0.32		0.077	0.040	0.18					
PAHs	Dibenzo(a,h)anthracene	mg/kg							0.022							
PAHs	Fluoranthene	mg/kg		0.083	0.026				0.047	0.066	0.058					
PAHs	Fluorene	mg/kg														
PAHs	Indeno(1,2,3-c,d)pyrene	mg/kg		0.049					0.11	0.058	0.16					
PAHs	1-Methylnaphthalene	mg/kg														
PAHs	2-Methylnaphthalene	mg/kg														
PAHs	Naphthalene	mg/kg														
PAHs	Phenanthrene	mg/kg														
PAHs	Pyrene	mg/kg		0.074	0.026		0.38		0.11	0.19	0.21					
TPH	C11-C12	mg/kg														
TPH	C13-C14	mg/kg														
TPH	C15-C16	mg/kg														
TPH	C17-C18	mg/kg														
TPH	C19-C20	mg/kg									14					
TPH	C21-C22	mg/kg					240				19			5.7		
TPH	C23-C24	mg/kg					400				36			7.8		
TPH	C25-C28	mg/kg					900			6.6	59			16		
TPH	C29-C32	mg/kg			8.6		1300		8.6	12	99			28		
TPH	C33-C36	mg/kg			8.8		900		6.1	6.6	70			26		
TPH	C37-C40	mg/kg			12		760				53			26		
TPH	C41-C44	mg/kg			13		470				32			15		
TPH	C6-C44 Total	mg/kg			42	15	5100		31	45	390			130		
VOCs	Benzene	µg/kg														1.4
VOCs	Carbon disulfide	µg/kg						15								
VOCs	Chlorobenzene	µg/kg														
VOCs	1,2-Dichlorobenzene	µg/kg														
VOCs	1,4-Dichlorobenzene	µg/kg														
VOCs	1,1-Dichloroethane	µg/kg														
VOCs	1,2-Dichloroethane	µg/kg														
VOCs	1,1-Dichloroethene	µg/kg														
VOCs	cis-1,2-Dichloroethene	µg/kg	1.1									4.8	4.3			
VOCs	trans-1,2-Dichloroethene	µg/kg														
VOCs	Ethylbenzene	µg/kg														
VOCs	Freon 11 (Trichlorofluoromethane)	µg/kg														
VOCs	Methyl Tert-butyl ether (MTBE)	µg/kg													6.4	
VOCs	Toluene	µg/kg														
VOCs	Trichloroethene	µg/kg										5.8	5.7			
VOCs	Vinyl Chloride	µg/kg														

Notes:
*Detected metals not included.
bgs = below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
PAHs = polynuclear aromatic hydrocarbons
PCBs/PCTs = polychlorinated biphenyls/triphenyls
VOCs = volatile organic compounds

SDG&E Tidelands Area
San Diego, California

Table 2
Analytes Detected* in Soil

January 28, 2011
Revised May 24, 2011
Project No. 106942001

		Boring ID:	SB31	SB31	SB31	SB31	SB31	SB32	SB32	SB32	SB32	SB33	SB33	SB33	SB33	SB33
		Sample Depth (feet bgs):	05.0	25.5	25.5	28.0	33.5	05.0	15.0	16.0	29.5	03.0	16.5	27.0	27.0	38.5
		Sample ID:	SB31-3.0-5.0	SB31-24.5-25.5	SB31-25.0-25.5	SB31-27.0-28.0	SB31-33.0-33.5	SB32-4.0-5.0	SB32-12.0-15.0	SB32-15.0-16.0	SB32-29.0-29.5	SB33-1.0-3.0	SB33-16.0-16.5	SB33-25.0-27.0	SB33-26.5-27.0	SB33-38.0-38.5
ANALYSIS	**ANALYTE**	**UNITS**														
PCBs/PCTs	Aroclor 1254	µg/kg														
PCBs/PCTs	Aroclor 1260	µg/kg														
PCBs/PCTs	Aroclor 5460	µg/kg														
PAHs	Acenaphthene	mg/kg														
PAHs	Acenaphthylene	mg/kg						0.026	2.6							
PAHs	Anthracene	mg/kg							2.7							
PAHs	Benzo(a)anthracene	mg/kg						0.060	11	1.6		0.034				
PAHs	Benzo(a)pyrene	mg/kg						0.10	14	2.2		0.096				
PAHs	Benzo(b)fluoranthene	mg/kg						0.075	7.8	1.4		0.078				
PAHs	Benzo(g,h,i)perylene	mg/kg	0.023					0.11	10	1.6		0.12				
PAHs	Benzo(k)fluoranthene	mg/kg						0.080	11	1.7		0.041				
PAHs	Chrysene	mg/kg						0.082	14	1.7		0.054				
PAHs	Dibenzo(a,h)anthracene	mg/kg							1.4							
PAHs	Fluoranthene	mg/kg						0.094	23	3.6		0.10				
PAHs	Fluorene	mg/kg														
PAHs	Indeno(1,2,3-c,d)pyrene	mg/kg						0.080	7.4	1.2		0.079				
PAHs	1-Methylnaphthalene	mg/kg														
PAHs	2-Methylnaphthalene	mg/kg														
PAHs	Naphthalene	mg/kg							2.6							
PAHs	Phenanthrene	mg/kg						0.049	12			0.033				
PAHs	Pyrene	mg/kg	0.025					0.15	40	6.7		0.14		0.026		
TPH	C11-C12	mg/kg							17							
TPH	C13-C14	mg/kg							48							
TPH	C15-C16	mg/kg							63							
TPH	C17-C18	mg/kg							110							
TPH	C19-C20	mg/kg							170							
TPH	C21-C22	mg/kg							160							
TPH	C23-C24	mg/kg							99							
TPH	C25-C28	mg/kg							130	17						
TPH	C29-C32	mg/kg	9.4	14					140	41						
TPH	C33-C36	mg/kg	8.8	12					79	31						
TPH	C37-C40	mg/kg	8.8	12					52	24						
TPH	C41-C44	mg/kg	6.4	10					26	15						
TPH	C6-C44 Total	mg/kg	37	56					1100	140						
VOCs	Benzene	µg/kg											1.3			
VOCs	Carbon disulfide	µg/kg														
VOCs	Chlorobenzene	µg/kg														
VOCs	1,2-Dichlorobenzene	µg/kg														
VOCs	1,4-Dichlorobenzene	µg/kg														
VOCs	1,1-Dichloroethane	µg/kg														
VOCs	1,2-Dichloroethane	µg/kg														0.85
VOCs	1,1-Dichloroethene	µg/kg											3.2		1.3	
VOCs	cis-1,2-Dichloroethene	µg/kg			7.9	5.0	5.5				0.87		2.1		3.2	
VOCs	trans-1,2-Dichloroethene	µg/kg			2.0											
VOCs	Ethylbenzene	µg/kg														
VOCs	Freon 11 (Trichlorofluoromethane)	µg/kg														
VOCs	Methyl Tert-butyl ether (MTBE)	µg/kg														
VOCs	Toluene	µg/kg														
VOCs	Trichloroethene	µg/kg				6.7	10				4.6		2.4		5.8	
VOCs	Vinyl Chloride	µg/kg														

Notes:
*Detected metals not included.
bgs = below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
PAHs = polynuclear aromatic hydrocarbons
PCBs/PCTs = polychlorinated biphenyls/triphenyls
VOCs = volatile organic compounds

SDG&E Tidelands Area
San Diego, California

Table 2
Analytes Detected* in Soil

January 28, 2011
Revised May 24, 2011
Project No. 106942001

		Boring ID:	SB34	SB34	SB34	SB34	SB34	SB35	SB35	SB35	SB35	SB36	SB36	SB36	SB36	SB37
		Sample Depth (feet bgs):	02.0	03.0	16.0	16.0	25.5	03.0	08.5	14.5	18.0	04.0	09.0	25.0	25.5	03.0
		Sample ID:	SB34-1.5-2.0	SB34-1.0-3.0	SB34-14.0-16.0	SB34-15.5-16.0	SB34-25.0-25.5	SB35-1.0-3.0	SB35-7.0-8.5	SB35-14.0-14.5	SB35-14.0-18.0	SB36-1.0-4.0	SB36-7.0-9.0	SB36-24.0-25.0	SB36-25.0-25.5	SB37-1.0-3.0
ANALYSIS	**ANALYTE**	**UNITS**														
PCBs/PCTs	Aroclor 1254	µg/kg														
PCBs/PCTs	Aroclor 1260	µg/kg						56					69			
PCBs/PCTs	Aroclor 5460	µg/kg														
PAHs	Acenaphthene	mg/kg														
PAHs	Acenaphthylene	mg/kg		0.94				0.44	0.044			1.5	0.084			0.23
PAHs	Anthracene	mg/kg		0.41				0.23				0.94	0.041			0.096
PAHs	Benzo(a)anthracene	mg/kg		1.9	0.033			0.69	0.10		0.045	3.1	0.12			0.30
PAHs	Benzo(a)pyrene	mg/kg		2.9	0.11			1.1	0.18		0.12	5.4	0.23			0.59
PAHs	Benzo(b)fluoranthene	mg/kg		1.9	0.092			0.84	0.17		0.11	3.8	0.17			0.44
PAHs	Benzo(g,h,i)perylene	mg/kg		2.9	0.094			1.4	0.17		0.10	5.3	0.25			0.61
PAHs	Benzo(k)fluoranthene	mg/kg		2.2	0.062			0.84	0.086		0.060	3.7	0.16			0.35
PAHs	Chrysene	mg/kg		2.6	0.040			0.98	0.15		0.049	4.3	0.18			0.43
PAHs	Dibenzo(a,h)anthracene	mg/kg		0.36								0.67	0.029			0.082
PAHs	Fluoranthene	mg/kg		2.1	0.063			1.1	0.17		0.075	7.1	0.22	0.040		0.40
PAHs	Fluorene	mg/kg														
PAHs	Indeno(1,2,3-c,d)pyrene	mg/kg		2.0	0.067			0.95	0.12		0.073	3.7	0.18			0.42
PAHs	1-Methylnaphthalene	mg/kg														
PAHs	2-Methylnaphthalene	mg/kg														0.027
PAHs	Naphthalene	mg/kg		0.36								0.63	0.034			0.074
PAHs	Phenanthrene	mg/kg		0.70				0.56	0.10			3.2	0.10			0.19
PAHs	Pyrene	mg/kg		4.7	0.12			1.8	0.28		0.18	10	0.38	0.059		0.76
TPH	C11-C12	mg/kg														
TPH	C13-C14	mg/kg														
TPH	C15-C16	mg/kg										8.1				
TPH	C17-C18	mg/kg		19				6.7				21				
TPH	C19-C20	mg/kg		20				6.8				28				
TPH	C21-C22	mg/kg		26				7.8				32				
TPH	C23-C24	mg/kg		24				6.9				22				
TPH	C25-C28	mg/kg		38				12				38				
TPH	C29-C32	mg/kg		68				25	11			78				7.8
TPH	C33-C36	mg/kg		70				21	10			74				
TPH	C37-C40	mg/kg		38				21	9.3			90				
TPH	C41-C44	mg/kg		32				11	8.1			75				
TPH	C6-C44 Total	mg/kg		340				120	42			470				24
VOCs	Benzene	µg/kg	1.5													
VOCs	Carbon disulfide	µg/kg														
VOCs	Chlorobenzene	µg/kg														
VOCs	1,2-Dichlorobenzene	µg/kg														
VOCs	1,4-Dichlorobenzene	µg/kg														
VOCs	1,1-Dichloroethane	µg/kg					1.2									
VOCs	1,2-Dichloroethane	µg/kg														
VOCs	1,1-Dichloroethene	µg/kg				0.89	14									
VOCs	cis-1,2-Dichloroethene	µg/kg					3.1			1.0					3.0	
VOCs	trans-1,2-Dichloroethene	µg/kg														
VOCs	Ethylbenzene	µg/kg														
VOCs	Freon 11 (Trichlorofluoromethane)	µg/kg														
VOCs	Methyl Tert-butyl ether (MTBE)	µg/kg														
VOCs	Toluene	µg/kg	1.8													
VOCs	Trichloroethene	µg/kg					5.9								5.2	
VOCs	Vinyl Chloride	µg/kg														

Notes:
*Detected metals not included.
bgs = below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
PAHs = polynuclear aromatic hydrocarbons
PCBs/PCTs = polychlorinated biphenyls/triphenyls
VOCs = volatile organic compounds

Table 2
Analytes Detected* in Soil

		Boring ID:	SB37	SB37	SB38	SB38	SB40	SB40	SB40	SB40
		Sample Depth (feet bgs):	12.0	15.0	03.0	31.5	03.0	06.5	10.5	11.5
		Sample ID:	SB37-10.0-12.0	SB37-13.0-15.0	SB38-1.0-3.0	SB38-31.0-31.5	SB40-2.0-3.0	SB40-5.0-6.5	SB40-10.0-10.5	SB40-10.0-11.5
ANALYSIS	**ANALYTE**	**UNITS**								
PCBs/PCTs	Aroclor 1254	µg/kg			**270**		**740**			
PCBs/PCTs	Aroclor 1260	µg/kg			170		670			
PCBs/PCTs	Aroclor 5460	µg/kg			490		1500			
PAHs	Acenaphthene	mg/kg								
PAHs	Acenaphthylene	mg/kg			2.1					
PAHs	Anthracene	mg/kg			1.9					
PAHs	Benzo(a)anthracene	mg/kg	0.027		5.8		0.081	0.033		0.047
PAHs	Benzo(a)pyrene	mg/kg	0.080	0.048	11		0.087	0.033		0.044
PAHs	Benzo(b)fluoranthene	mg/kg	0.064	0.037	5.8		0.081	0.023		0.026
PAHs	Benzo(g,h,i)perylene	mg/kg	0.068	0.043	7.8		0.097	0.024		
PAHs	Benzo(k)fluoranthene	mg/kg	0.045	0.028	6.5		0.072	0.027		0.037
PAHs	Chrysene	mg/kg	0.033		7.6		0.10	0.041		0.052
PAHs	Dibenzo(a,h)anthracene	mg/kg			1.1					
PAHs	Fluoranthene	mg/kg	0.057	0.045	12		0.12	0.070		0.079
PAHs	Fluorene	mg/kg			0.59					
PAHs	Indeno(1,2,3-c,d)pyrene	mg/kg	0.046	0.028	5.7		0.062			
PAHs	1-Methylnaphthalene	mg/kg			0.68					
PAHs	2-Methylnaphthalene	mg/kg			0.47					
PAHs	Naphthalene	mg/kg			1.5					
PAHs	Phenanthrene	mg/kg			8.3		0.068	0.059		
PAHs	Pyrene	mg/kg	0.083	0.053	23		0.14	0.082		0.090
TPH	C11-C12	mg/kg								
TPH	C13-C14	mg/kg			27					
TPH	C15-C16	mg/kg			33					
TPH	C17-C18	mg/kg			60					
TPH	C19-C20	mg/kg			100		19			
TPH	C21-C22	mg/kg			110		35			
TPH	C23-C24	mg/kg			90		70			
TPH	C25-C28	mg/kg			88		160			
TPH	C29-C32	mg/kg	8.3		150		260			
TPH	C33-C36	mg/kg			99		160			
TPH	C37-C40	mg/kg			78		110			
TPH	C41-C44	mg/kg			38		64			
TPH	C6-C44 Total	mg/kg	22		880		890	11		
VOCs	Benzene	µg/kg								
VOCs	Carbon disulfide	µg/kg								
VOCs	Chlorobenzene	µg/kg								
VOCs	1,2-Dichlorobenzene	µg/kg							1.0	
VOCs	1,4-Dichlorobenzene	µg/kg								
VOCs	1,1-Dichloroethane	µg/kg								
VOCs	1,2-Dichloroethane	µg/kg								
VOCs	1,1-Dichloroethene	µg/kg								
VOCs	cis-1,2-Dichloroethene	µg/kg				6.4				
VOCs	trans-1,2-Dichloroethene	µg/kg								
VOCs	Ethylbenzene	µg/kg								
VOCs	Freon 11 (Trichlorofluoromethane)	µg/kg								
VOCs	Methyl Tert-butyl ether (MTBE)	µg/kg								
VOCs	Toluene	µg/kg								
VOCs	Trichloroethene	µg/kg				11				
VOCs	Vinyl Chloride	µg/kg								

Notes:
*Detected metals not included.
bgs = below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
PAHs = polynuclear aromatic hydrocarbons
PCBs/PCTs = polychlorinated biphenyls/triphenyls
VOCs = volatile organic compounds

SDG&E Tidelands Area
San Diego, California

Table 3
Analytes Detected in Groundwater*

January 28, 2011
Revised May 24, 2011
Project No. 106942001

		Boring ID:	SB01	SB03	SB08	SB10	SB15	SB18	SB21	SB28
		Sample ID:	SB01-GW-121810	SB03-GW-121810	SB08-GW-121810	SB10-GW-121910	SB15-GW-122110	SB18-GW-122010	SB21-GW-122010	SB28-GW-122010
ANALYSIS	**ANALYTE**	**UNITS**								
PAHs	Fluoranthene	ug/l				0.22				
PAHs	Naphthalene	ug/l								
TPH	C25-C28	ug/l					58		330	
TPH	C29-C32	ug/l					55		690	
TPH	C33-C36	ug/l							710	
TPH	C37-C40	ug/l							620	
TPH	C41-C44	ug/l							400	
TPH	C6-C44 Total	ug/l	110	65	110		220		3200	240
VOCs	1,1-Dichloroethane	ug/l		6.2				1.4		
VOCs	1,2-Dichloroethane	ug/l		2.8	0.70	3.0		2.2		1.0
VOCs	1,1-Dichloroethene	ug/l		75				1.6		
VOCs	cis-1,2-Dichloroethene	ug/l		18	4.1			43		6.9
VOCs	trans-1,2-Dichloroethene	ug/l						2.0		
VOCs	Methyl Tert-butyl ether (MTBE)	ug/l		1.1		1.9		7.3	22	
VOCs	Tetrachloroethene	ug/l		2.2						
VOCs	Trichloroethene	ug/l		52	8.1	3.3		130		2.9
VOCs	Vinyl Chloride	ug/l		0.72				2.4	1.7	

Notes:
*Metals not included.
ug/l = micrograms per liter
PAHs = polynuclear aromatic hydrocarbons
TPH = Total Petroleum Hydrocarbons
VOCs = volatile organic compounds

Table 3
Analytes Detected in Groundwater*

		Boring ID:	SB30	SB31	SB33	SB34	SB36	SB38	QCEB
		Sample ID:	SB30-GW-122010	SB31-GW-122110	SB33-GW-121910	SB34-GW-121910	SB36-GW-121910	SB38-GW-122110	QCEB-121910
ANALYSIS	**ANALYTE**	**UNITS**							
PAHs	Fluoranthene	ug/l							
PAHs	Naphthalene	ug/l							0.81
TPH	C25-C28	ug/l							
TPH	C29-C32	ug/l							
TPH	C33-C36	ug/l							
TPH	C37-C40	ug/l							
TPH	C41-C44	ug/l							
TPH	C6-C44 Total	ug/l	110					110	
VOCs	1,1-Dichloroethane	ug/l			2.1	1.8			
VOCs	1,2-Dichloroethane	ug/l			1.7	0.74	1.2		
VOCs	1,1-Dichloroethene	ug/l			17	20			
VOCs	cis-1,2-Dichloroethene	ug/l	12	30	9.3	8.1	13	38	
VOCs	trans-1,2-Dichloroethene	ug/l		2.1				2.7	
VOCs	Methyl Tert-butyl ether (MTBE)	ug/l	96	1.5				1.4	
VOCs	Tetrachloroethene	ug/l							
VOCs	Trichloroethene	ug/l	11	36	13	12	21	36	
VOCs	Vinyl Chloride	ug/l		0.68		0.62	0.51	1.8	

Notes:
*Metals not included.
ug/l = micrograms per liter
PAHs = polynuclear aromatic hydrocarbons
TPH = Total Petroleum Hydrocarbons
VOCs = volatile organic compounds

SDG&E Tidelands Area
San Diego, California

Table 4
Analytes Detected in Cooling Water Tunnel Sediment

May 20, 2011
Revised May 24, 2011
Project No. 106942001

		Boring ID:	DT01	DT02A	DT02B	IT01	IT02
		Sample ID:	DT-01-122910	DT-02A-122910	DT-02B-122910	IT-01-122910	IT-02-122910
ANALYSIS	**ANALYTE**	**UNITS**					
PCBs/PCTs	Aroclor 1254	ug/kg		**640**	**550**	**190**	**230**
PCBs/PCTs	Aroclor 1260	ug/kg		660	500	170	220
PCBs/PCTs	Aroclor 5460	ug/kg		310	490	170	260
PAHs	Acenaphthene	mg/kg					
PAHs	Acenaphthylene	mg/kg			0.11	0.043	0.10
PAHs	Anthracene	mg/kg		0.19	0.16	0.087	0.16
PAHs	Benzo(a)anthracene	mg/kg		0.089	0.28	0.045	0.17
PAHs	Benzo(a)pyrene	mg/kg		0.15	0.52	0.17	0.38
PAHs	Benzo(b)fluoranthene	mg/kg		0.19	0.65	0.28	0.51
PAHs	Benzo(g,h,i)perylene	mg/kg		0.11	0.29	0.071	0.21
PAHs	Benzo(k)fluoranthene	mg/kg		0.11	0.45	0.13	0.23
PAHs	Chrysene	mg/kg		0.17	0.46	0.095	0.43
PAHs	Dibenzo(a,h)anthracene	mg/kg			0.090		0.064
PAHs	Fluoranthene	mg/kg		0.14	0.33	0.098	0.19
PAHs	Fluorene	mg/kg					
PAHs	Indeno(1,2,3-c,d)pyrene	mg/kg		0.080	0.27	0.057	0.19
PAHs	1-Methylnaphthalene	mg/kg					
PAHs	2-Methylnaphthalene	mg/kg					0.079
PAHs	Naphthalene	mg/kg					
PAHs	Phenanthrene	mg/kg		0.16	0.14	0.086	0.14
PAHs	Pyrene	mg/kg		0.31	0.43	0.15	0.27
TPH	C11-C12	mg/kg					
TPH	C13-C14	mg/kg		530			
TPH	C15-C16	mg/kg		2300		37	
TPH	C17-C18	mg/kg		3500	32	90	26
TPH	C19-C20	mg/kg		3500	33	110	25
TPH	C21-C22	mg/kg		2200	26	88	24
TPH	C23-C24	mg/kg		1600	29	66	27
TPH	C25-C28	mg/kg		2200	43	72	42
TPH	C29-C32	mg/kg		2700	86	160	67
TPH	C33-C36	mg/kg		2000	78	120	42
TPH	C37-C40	mg/kg		1400	70	110	41
TPH	C41-C44	mg/kg		550	56	85	28
TPH	C6-C44 Total	mg/kg		23000	470	940	330
VOCs	Benzene	ug/kg	15				
VOCs	Carbon disulfide	ug/kg					
VOCs	Chlorobenzene	ug/kg					
VOCs	1,2-Dichlorobenzene	ug/kg					
VOCs	1,4-Dichlorobenzene	ug/kg					
VOCs	1,1-Dichloroethane	ug/kg					
VOCs	1,2-Dichloroethane	ug/kg					
VOCs	1,1-Dichloroethene	ug/kg					
VOCs	cis-1,2-Dichloroethene	ug/kg					
VOCs	trans-1,2-Dichloroethene	ug/kg					
VOCs	Ethylbenzene	ug/kg					
VOCs	Freon 11 (Trichlorofluoromethane)	ug/kg					
VOCs	Methyl Tert-butyl ether (MTBE)	ug/kg					
VOCs	Toluene	ug/kg					
VOCs	Trichloroethene	ug/kg					
VOCs	Vinyl Chloride	ug/kg					

Notes:
*Detected metals not included.
bgs = below ground surface
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
PAHs = polynuclear aromatic hydrocarbons
PCBs/PCTs = polychlorinated biphenyls/triphenyls
VOCs = volatile organic compounds

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB01	SB01	SB01	SB02	SB02	SB02
Sample Depth Interval (ft bgs)	2.0-4.0	12.5-13.0	33.0-35.0	1.0-3.0	14.0-16.0	34.0-36.0
Sample ID	SB01-2.0-4.0	SB01-12.5-13.0	SB01-33.0-35.0	SB02-1.0-3.0	SB02-14.0-16.0	SB02-34.0-36.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<5.3	<6.8	<6.0	<5.7	<6.6	<6.0
C07	<5.3	<6.8	<6.0	<5.7	<6.6	<6.0
C08	<5.3	<6.8	<6.0	<5.7	<6.6	<6.0
C09-C10	<5.3	<6.8	<6.0	<5.7	<6.6	<6.0
C11-C12	<5.3	<6.8	<6.0	**6.8**	<6.6	<6.0
C13-C14	<5.3	<6.8	<6.0	**10**	<6.6	<6.0
C15-C16	<5.3	<6.8	<6.0	**16**	<6.6	<6.0
C17-C18	<5.3	<6.8	<6.0	**21**	<6.6	<6.0
C19-C20	<5.3	<6.8	<6.0	**23**	<6.6	<6.0
C21-C22	<5.3	<6.8	<6.0	**22**	<6.6	<6.0
C23-C24	<5.3	<6.8	<6.0	**17**	<6.6	<6.0
C25-C28	<5.3	<6.8	<6.0	**33**	<6.6	<6.0
C29-C32	**11**	<6.8	<6.0	**66**	<6.6	<6.0
C33-C36	**7.9**	<6.8	<6.0	**47**	<6.6	<6.0
C37-C40	**8.9**	<6.8	<6.0	**37**	<6.6	<6.0
C41-C44	**5.7**	<6.8	<6.0	**24**	<6.6	<6.0
C6-C44 Total	**38**	<6.8	<6.0	**320**	<6.6	<6.0

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB03	SB03	SB03	SB03	SB05	SB05
Sample Depth Interval (ft bgs)	1.0-1.5	14.0-16.0	21.0-23.0	34.0-36.0	2.0-4.0	12.0-14.0
Sample ID	SB03-1.0-1.5	SB03-14.0-16.0	SB03-21.0-23.0	SB03-34.0-36.0	SB05-2.0-4.0	SB05-12.0-14.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<47	<7.1	<5.9	<5.9	<5.3	<5.9
C07	<47	<7.1	<5.9	<5.9	<5.3	<5.9
C08	<47	<7.1	<5.9	<5.9	<5.3	<5.9
C09-C10	<47	<7.1	<5.9	<5.9	<5.3	<5.9
C11-C12	<47	<7.1	<5.9	<5.9	<5.3	<5.9
C13-C14	<47	<7.1	<5.9	<5.9	<5.3	<5.9
C15-C16	<47	<7.1	<5.9	<5.9	<5.3	<5.9
C17-C18	97	<7.1	<5.9	<5.9	<5.3	<5.9
C19-C20	**220**	<7.1	<5.9	<5.9	<5.3	<5.9
C21-C22	**280**	<7.1	<5.9	<5.9	<5.3	<5.9
C23-C24	**220**	<7.1	<5.9	<5.9	<5.3	<5.9
C25-C28	**300**	<7.1	<5.9	<5.9	**7.0**	<5.9
C29-C32	**410**	<7.1	<5.9	<5.9	**13**	<5.9
C33-C36	**240**	<7.1	<5.9	<5.9	**7.2**	<5.9
C37-C40	**150**	<7.1	<5.9	<5.9	**6.2**	<5.9
C41-C44	**77**	<7.1	<5.9	<5.9	<5.3	<5.9
C6-C44 Total	**2100**	<7.1	<5.9	<5.9	**48**	<5.9

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB05	SB05	SB08	SB08	SB08	SB09
Sample Depth Interval (ft bgs)	25.0-27.0	36.0-38.0	3.0-5.0	14.0-16.0	17.0-19.0	1.0-5.0
Sample ID	SB05-25.0-27.0	SB05-36.0-38.0	SB08-3.0-5.0	SB08-14.0-16.0	SB08-17.0-19.0	SB09-1.0-5.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<6.4	<6.1	<5.5	<6.4	<5.7	<5.3
C07	<6.4	<6.1	<5.5	<6.4	<5.7	<5.3
C08	<6.4	<6.1	<5.5	<6.4	<5.7	<5.3
C09-C10	<6.4	<6.1	<5.5	<6.4	<5.7	<5.3
C11-C12	<6.4	<6.1	<5.5	<6.4	<5.7	<5.3
C13-C14	<6.4	<6.1	<5.5	<6.4	<5.7	<5.3
C15-C16	<6.4	<6.1	<5.5	<6.4	<5.7	<5.3
C17-C18	<6.4	<6.1	<5.5	<6.4	<5.7	<5.3
C19-C20	<6.4	<6.1	**5.6**	<6.4	<5.7	<5.3
C21-C22	<6.4	<6.1	**7.2**	<6.4	<5.7	<5.3
C23-C24	<6.4	<6.1	**5.8**	<6.4	<5.7	<5.3
C25-C28	<6.4	<6.1	**13**	<6.4	<5.7	<5.3
C29-C32	<6.4	<6.1	**28**	<6.4	<5.7	<5.3
C33-C36	<6.4	<6.1	**17**	<6.4	<5.7	<5.3
C37-C40	<6.4	<6.1	**8.2**	<6.4	<5.7	<5.3
C41-C44	<6.4	<6.1	<5.5	<6.4	<5.7	<5.3
C6-C44 Total	<6.4	<6.1	**92**	<6.4	<5.7	<5.3

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB09	SB09	SB09	SB09	SB10	SB10
Sample Depth Interval (ft bgs)	13.0-16.0	18.5-20.0	21.0-22.0	32.0-33.5	4.0-5.0	7.5-9.0
Sample ID	SB09-13.0-16.0	SB09-18.5-20.0	SB09-21.0-22.0	SB09-32.0-33.5	SB10-4.0-5.0	SB10-7.5-9.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/19/10	12/19/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C07	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C08	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C09-C10	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C11-C12	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C13-C14	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C15-C16	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C17-C18	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C19-C20	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C21-C22	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C23-C24	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C25-C28	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C29-C32	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C33-C36	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C37-C40	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C41-C44	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7
C6-C44 Total	<6.2	<6.2	<6.2	<5.9	<5.5	<5.7

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB10	SB10	SB10	SB11	SB11	SB11
Sample Depth Interval (ft bgs)	20.0-22.0	24.0-25.5	32.0-33.0	5.0-7.0	9.5-10.1	18.0-20.0
Sample ID	SB10-20.0-22.0	SB10-24.0-25.5	SB10-32.0-33.0	SB11-5.0-7.0	SB11-9.5-10.0	SB11-18.0-20.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<6.3	<6.2	<6.0	<5.4	<5.7	<6.4
C07	<6.3	<6.2	<6.0	<5.4	<5.7	<6.4
C08	<6.3	<6.2	<6.0	<5.4	<5.7	<6.4
C09-C10	<6.3	<6.2	<6.0	<5.4	<5.7	<6.4
C11-C12	<6.3	<6.2	<6.0	<5.4	<5.7	<6.4
C13-C14	<6.3	<6.2	<6.0	<5.4	<5.7	<6.4
C15-C16	<6.3	<6.2	<6.0	<5.4	<5.7	<6.4
C17-C18	<6.3	<6.2	<6.0	<5.4	<5.7	<6.4
C19-C20	<6.3	**7.1**	<6.0	<5.4	<5.7	<6.4
C21-C22	<6.3	**18**	<6.0	<5.4	<5.7	<6.4
C23-C24	<6.3	**61**	<6.0	<5.4	<5.7	<6.4
C25-C28	<6.3	**120**	<6.0	**5.9**	**9.8**	<6.4
C29-C32	<6.3	**94**	<6.0	**25**	**64**	<6.4
C33-C36	<6.3	**62**	<6.0	**20**	**58**	<6.4
C37-C40	<6.3	**40**	<6.0	**16**	**52**	<6.4
C41-C44	<6.3	**29**	<6.0	**15**	**44**	<6.4
C6-C44 Total	<6.3	**430**	<6.0	**84**	**230**	<6.4

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB13	SB13	SB13	SB14	SB14	SB14
Sample Depth Interval (ft bgs)	1.0-3.5	14.0-16.0	19.0-23.0	3.0-5.0	12.5-14.0	15.0-16.5
Sample ID	SB13-1.0-3.5	SB13-14.0-16.0	SB13-19.0-23.0	SB14-3.0-5.0	SB14-12.5-14.0	SB14-15.0-16.5
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<11	<6.3	<5.8	<5.4	<6.5	<6.4
C07	<11	<6.3	<5.8	<5.4	<6.5	<6.4
C08	<11	<6.3	<5.8	<5.4	<6.5	<6.4
C09-C10	<11	<6.3	<5.8	<5.4	<6.5	<6.4
C11-C12	<11	<6.3	<5.8	<5.4	<6.5	<6.4
C13-C14	<11	<6.3	<5.8	<5.4	<6.5	<6.4
C15-C16	<11	<6.3	<5.8	<5.4	<6.5	<6.4
C17-C18	<11	<6.3	<5.8	<5.4	<6.5	<6.4
C19-C20	<11	<6.3	<5.8	<5.4	**7.3**	<6.4
C21-C22	<11	<6.3	<5.8	<5.4	**8.7**	<6.4
C23-C24	**18**	<6.3	<5.8	<5.4	**8.2**	<6.4
C25-C28	**31**	**7.4**	<5.8	<5.4	**12**	**6.8**
C29-C32	**66**	**11**	<5.8	<5.4	**19**	**11**
C33-C36	**56**	<6.3	<5.8	<5.4	**10**	<6.4
C37-C40	**47**	<6.3	<5.8	<5.4	**7.5**	<6.4
C41-C44	**32**	<6.3	<5.8	<5.4	<6.5	<6.4
C6-C44 Total	**270**	**36**	<5.8	<5.4	**87**	**42**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB14	SB15	SB15	SB15	SB16	SB16
Sample Depth Interval (ft bgs)	16.5-17.5	3.0-5.0	12.0-14.0	16.0-18.0	4.0-6.0	16.0-18.0
Sample ID	SB14-16.5-17.5	SB15-3.0-5.0	SB15-12.0-14.0	SB15-16.0-18.0	SB16-4.0-6.0	SB16-16.0-18.0
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C07	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C08	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C09-C10	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C11-C12	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C13-C14	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C15-C16	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C17-C18	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C19-C20	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C21-C22	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C23-C24	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C25-C28	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C29-C32	**9.2**	<5.1	<6.3	<5.9	<5.6	<6.0
C33-C36	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C37-C40	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C41-C44	<6.5	<5.1	<6.3	<5.9	<5.6	<6.0
C6-C44 Total	**38**	<5.1	<6.3	<5.9	<5.6	<6.0

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB18	SB18	SB18	SB18	SB18	SB18
Sample Depth Interval (ft bgs)	1.0-3.0	3.0-5.0	8.0-9.0	12.0-13.5	22.0-24.0	27.5-29.0
Sample ID	SB18-1.0-3.0	SB18-3.0-5.0	SB18-8.0-9.0	SB18-12.0-13.5	SB18-22.0-24.0	SB18-27.5-29.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<56	<230	<28	<23	<5.7	<6.2
C07	<56	<230	<28	<23	<5.7	<6.2
C08	<56	<230	<28	<23	<5.7	<6.2
C09-C10	<56	<230	<28	<23	<5.7	<6.2
C11-C12	<56	<230	<28	<23	<5.7	<6.2
C13-C14	**120**	<230	<28	<23	<5.7	<6.2
C15-C16	**120**	**330**	<28	**34**	<5.7	<6.2
C17-C18	**140**	**530**	**39**	**51**	<5.7	<6.2
C19-C20	**170**	**790**	**62**	**80**	<5.7	<6.2
C21-C22	**230**	**830**	**72**	**80**	<5.7	<6.2
C23-C24	**390**	**1400**	**120**	**130**	<5.7	<6.2
C25-C28	**670**	**2100**	**200**	**210**	<5.7	<6.2
C29-C32	**1000**	**2800**	**290**	**310**	<5.7	<6.2
C33-C36	**680**	**2100**	**240**	**220**	<5.7	<6.2
C37-C40	**540**	**1500**	**190**	**190**	<5.7	<6.2
C41-C44	**340**	**1000**	**160**	**150**	<5.7	<6.2
C6-C44 Total	**4400**	**14000**	**1400**	**1500**	<5.7	<6.2

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB19	SB19	SB19	SB21	SB21	SB21
Sample Depth Interval (ft bgs)	15.5-16.0	18.0-20.0	22.0-25.0	3.0-5.0	13.0-14.5	20.5-22.0
Sample ID	SB19-15.5-16.0	SB19-18.0-20.0	SB19-22.0-25.0	SB21-3.0-5.0	SB21-13.0-14.5	SB21-20.5-22.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C07	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C08	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C09-C10	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C11-C12	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C13-C14	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C15-C16	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C17-C18	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C19-C20	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C21-C22	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C23-C24	<6.0	<6.2	<6.2	<11	<6.2	<6.1
C25-C28	<6.0	<6.2	<6.2	**19**	<6.2	<6.1
C29-C32	<6.0	<6.2	<6.2	**50**	<6.2	<6.1
C33-C36	<6.0	<6.2	<6.2	**49**	<6.2	<6.1
C37-C40	<6.0	<6.2	<6.2	**50**	<6.2	<6.1
C41-C44	<6.0	<6.2	<6.2	**41**	<6.2	<6.1
C6-C44 Total	17	<6.2	<6.2	**230**	<6.2	<6.1

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB21	SB22	SB22	SB22	SB22	SB26
Sample Depth Interval (ft bgs)	28.0-30.0	4.0-6.0	9.5-10.5	16.0-18.0	21.0-23.0	2.0-4.0
Sample ID	SB21-28.0-30.0	SB22-4.0-6.0	SB22-9.5-10.5	SB22-16.0-18.0	SB22-21.0-23.0	SB26-2.5-4.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/19/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<5.8	<5.5	<6.2	<6.0	<6.0	<5.3
C07	<5.8	<5.5	<6.2	<6.0	<6.0	<5.3
C08	<5.8	<5.5	<6.2	<6.0	<6.0	<5.3
C09-C10	<5.8	<5.5	<6.2	<6.0	<6.0	<5.3
C11-C12	<5.8	<5.5	<6.2	<6.0	<6.0	<5.3
C13-C14	<5.8	<5.5	<6.2	<6.0	<6.0	<5.3
C15-C16	<5.8	<5.5	<6.2	<6.0	<6.0	<5.3
C17-C18	<5.8	<5.5	<6.2	<6.0	<6.0	<5.3
C19-C20	<5.8	<5.5	<6.2	<6.0	<6.0	<5.3
C21-C22	<5.8	<5.5	<6.2	<6.0	<6.0	<5.3
C23-C24	<5.8	<5.5	<6.2	**17**	<6.0	<5.3
C25-C28	<5.8	<5.5	<6.2	**21**	<6.0	<5.3
C29-C32	<5.8	**14**	<6.2	**28**	<6.0	<5.3
C33-C36	<5.8	**15**	<6.2	**14**	<6.0	<5.3
C37-C40	<5.8	**21**	<6.2	**10**	<6.0	<5.3
C41-C44	<5.8	**21**	<6.2	**6.5**	<6.0	<5.3
C6-C44 Total	<5.8	**74**	<6.2	**97**	<6.0	20

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB26	SB26	SB26	SB28	SB28	SB28
Sample Depth Interval (ft bgs)	8.0-10.0	14.0-16.0	24.0-26.0	3.0-5.0	15.5-17.0	19.5-21.5
Sample ID	SB26-8.0-10.0	SB26-14.0-16.0	SB26-24.0-26.0	SB28-3.0-5.0	SB28-15.5-17.0	SB28-19.5-21.5
Sample Date	12/19/10	12/19/10	12/19/10	12/20/10	12/20/10	12/20/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C07	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C08	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C09-C10	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C11-C12	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C13-C14	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C15-C16	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C17-C18	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C19-C20	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C21-C22	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C23-C24	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C25-C28	<6.0	<6.3	<5.8	<5.3	<6.0	<6.3
C29-C32	<6.0	<6.3	<5.8	**8.6**	<6.0	<6.3
C33-C36	<6.0	<6.3	<5.8	**8.8**	<6.0	<6.3
C37-C40	<6.0	<6.3	<5.8	**12**	<6.0	<6.3
C41-C44	<6.0	<6.3	<5.8	**13**	<6.0	<6.3
C6-C44 Total	<6.0	<6.3	<5.8	**42**	<6.0	15

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB28	SB29	SB29	SB29	SB29	SB29
Sample Depth Interval (ft bgs)	23.0-25.0	1.0-3.0	3.0-5.0	13.0-15.5	16.5-17.0	21.0-24.0
Sample ID	SB28-23.0-25.0	SB29-1.0-3.0	SB29-3.0-5.0	SB29-13.0-15.5	SB29-16.5-17.0	SB29-21.0-24.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<5.9	<170	<5.4	<6.4	<5.7	<5.9
C07	<5.9	<170	<5.4	<6.4	<5.7	<5.9
C08	<5.9	<170	<5.4	<6.4	<5.7	<5.9
C09-C10	<5.9	<170	<5.4	<6.4	<5.7	<5.9
C11-C12	<5.9	<170	<5.4	<6.4	<5.7	<5.9
C13-C14	<5.9	<170	<5.4	<6.4	<5.7	<5.9
C15-C16	<5.9	<170	<5.4	<6.4	<5.7	<5.9
C17-C18	<5.9	<170	<5.4	<6.4	<5.7	<5.9
C19-C20	<5.9	<170	<5.4	<6.4	**14**	<5.9
C21-C22	<5.9	**240**	<5.4	<6.4	**19**	<5.9
C23-C24	<5.9	**400**	<5.4	<6.4	**36**	<5.9
C25-C28	<5.9	**900**	<5.4	**6.6**	**59**	<5.9
C29-C32	<5.9	**1300**	**8.6**	**12**	**99**	<5.9
C33-C36	<5.9	**900**	**6.1**	**6.6**	**70**	<5.9
C37-C40	<5.9	**760**	<5.4	<6.4	**53**	<5.9
C41-C44	<5.9	**470**	<5.4	<6.4	**32**	<5.9
C6-C44 Total	<5.9	**5100**	**31**	**45**	**390**	<5.9

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB29	SB30	SB30	SB30	SB30	SB31
Sample Depth Interval (ft bgs)	25.0-26.5	3.0-5.0	13.0-15.0	18.0-20.0	26.0-28.0	3.0-5.0
Sample ID	SB29-25.0-26.5	SB30-3.0-5.0	SB30-13.0-15.0	SB30-18.0-20.0	SB30-26.0-28.0	SB31-3.0-5.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/21/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<5.7	<5.3	<5.4	<5.9	<6.2	<5.4
C07	<5.7	<5.3	<5.4	<5.9	<6.2	<5.4
C08	<5.7	<5.3	<5.4	<5.9	<6.2	<5.4
C09-C10	<5.7	<5.3	<5.4	<5.9	<6.2	<5.4
C11-C12	<5.7	<5.3	<5.4	<5.9	<6.2	<5.4
C13-C14	<5.7	<5.3	<5.4	<5.9	<6.2	<5.4
C15-C16	<5.7	<5.3	<5.4	<5.9	<6.2	<5.4
C17-C18	<5.7	<5.3	<5.4	<5.9	<6.2	<5.4
C19-C20	<5.7	<5.3	<5.4	<5.9	<6.2	<5.4
C21-C22	<5.7	<5.3	**5.7**	<5.9	<6.2	<5.4
C23-C24	<5.7	<5.3	**7.8**	<5.9	<6.2	<5.4
C25-C28	<5.7	<5.3	**16**	<5.9	<6.2	<5.4
C29-C32	<5.7	<5.3	**28**	<5.9	<6.2	**9.4**
C33-C36	<5.7	<5.3	**26**	<5.9	<6.2	**8.8**
C37-C40	<5.7	<5.3	**26**	<5.9	<6.2	**8.8**
C41-C44	<5.7	<5.3	**15**	<5.9	<6.2	**6.4**
C6-C44 Total	<5.7	<5.3	**130**	<5.9	<6.2	**37**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB31	SB31	SB31	SB32	SB32	SB32
Sample Depth Interval (ft bgs)	24.5-25.5	26.0-30.0	30.0-34.0	4.0-5.0	12.0-15.0	15.0-16.0
Sample ID	SB31-24.5-25.5	SB31-26.0-30.0	SB31-30.0-34.0	SB32-4.0-5.0	SB32-12.0-15.0	SB32-15.0-16.0
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<6.1	<6.1	<6.4	<5.5	<12	<12
C07	<6.1	<6.1	<6.4	<5.5	<12	<12
C08	<6.1	<6.1	<6.4	<5.5	<12	<12
C09-C10	<6.1	<6.1	<6.4	<5.5	<12	<12
C11-C12	<6.1	<6.1	<6.4	<5.5	**17**	<12
C13-C14	<6.1	<6.1	<6.4	<5.5	**48**	<12
C15-C16	<6.1	<6.1	<6.4	<5.5	**63**	<12
C17-C18	<6.1	<6.1	<6.4	<5.5	**110**	<12
C19-C20	<6.1	<6.1	<6.4	<5.5	**170**	<12
C21-C22	<6.1	<6.1	<6.4	<5.5	**160**	<12
C23-C24	<6.1	<6.1	<6.4	<5.5	**99**	<12
C25-C28	<6.1	<6.1	<6.4	<5.5	**130**	**17**
C29-C32	**14**	<6.1	<6.4	<5.5	**140**	**41**
C33-C36	**12**	<6.1	<6.4	<5.5	**79**	**31**
C37-C40	**12**	<6.1	<6.4	<5.5	**52**	**24**
C41-C44	**10**	<6.1	<6.4	<5.5	**26**	**15**
C6-C44 Total	**56**	<6.1	<6.4	<5.5	**1100**	**140**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB32	SB33	SB33	SB33	SB33	SB34
Sample Depth Interval (ft bgs)	28.0-30.0	1.0-3.0	15.5-16.5	25.0-27.0	37.0-39.0	1.0-3.0
Sample ID	SB32-28.0-30.0	SB33-1.0-3.0	SB33-15.5-16.5	SB33-25.0-27.0	SB33-37.0-39.0	SB34-1.0-3.0
Sample Date	12/21/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<6.1	<5.6	<6.2	<6.2	<5.7	<5.3
C07	<6.1	<5.6	<6.2	<6.2	<5.7	<5.3
C08	<6.1	<5.6	<6.2	<6.2	<5.7	<5.3
C09-C10	<6.1	<5.6	<6.2	<6.2	<5.7	<5.3
C11-C12	<6.1	<5.6	<6.2	<6.2	<5.7	<5.3
C13-C14	<6.1	<5.6	<6.2	<6.2	<5.7	<5.3
C15-C16	<6.1	<5.6	<6.2	<6.2	<5.7	<5.3
C17-C18	<6.1	<5.6	<6.2	<6.2	<5.7	**19**
C19-C20	<6.1	<5.6	<6.2	<6.2	<5.7	**20**
C21-C22	<6.1	<5.6	<6.2	<6.2	<5.7	**26**
C23-C24	<6.1	<5.6	<6.2	<6.2	<5.7	**24**
C25-C28	<6.1	<5.6	<6.2	<6.2	<5.7	**38**
C29-C32	<6.1	<5.6	<6.2	<6.2	<5.7	**68**
C33-C36	<6.1	<5.6	<6.2	<6.2	<5.7	**70**
C37-C40	<6.1	<5.6	<6.2	<6.2	<5.7	**38**
C41-C44	<6.1	<5.6	<6.2	<6.2	<5.7	**32**
C6-C44 Total	<6.1	<5.6	<6.2	<6.2	<5.7	**340**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB34	SB34	SB35	SB35	SB35	SB36
Sample Depth Interval (ft bgs)	14.0-16.0	24.0-26.0	1.0-3.0	7.0-8.5	14.0-18.0	1.0-4.0
Sample ID	SB34-14.0-16.0	SB34-24.0-26.0	SB35-1.0-3.0	SB35-7.0-8.5	SB35-14.0-18.0	SB36-1.0-4.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<6.3	<5.9	<5.3	<5.5	<6.2	<5.4
C07	<6.3	<5.9	<5.3	<5.5	<6.2	<5.4
C08	<6.3	<5.9	<5.3	<5.5	<6.2	<5.4
C09-C10	<6.3	<5.9	<5.3	<5.5	<6.2	<5.4
C11-C12	<6.3	<5.9	<5.3	<5.5	<6.2	<5.4
C13-C14	<6.3	<5.9	<5.3	<5.5	<6.2	<5.4
C15-C16	<6.3	<5.9	<5.3	<5.5	<6.2	**8.1**
C17-C18	<6.3	<5.9	**6.7**	<5.5	<6.2	**21**
C19-C20	<6.3	<5.9	**6.8**	<5.5	<6.2	**28**
C21-C22	<6.3	<5.9	**7.8**	<5.5	<6.2	**32**
C23-C24	<6.3	<5.9	**6.9**	<5.5	<6.2	**22**
C25-C28	<6.3	<5.9	**12**	<5.5	<6.2	**38**
C29-C32	<6.3	<5.9	**25**	**11**	<6.2	**78**
C33-C36	<6.3	<5.9	**21**	**10**	<6.2	**74**
C37-C40	<6.3	<5.9	**21**	**9.3**	<6.2	**90**
C41-C44	<6.3	<5.9	**11**	**8.1**	<6.2	**75**
C6-C44 Total	<6.3	<5.9	**120**	**42**	<6.2	**470**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB36	SB36	SB36	SB37	SB37	SB37
Sample Depth Interval (ft bgs)	7.0-9.0	24.0-25.0	35.0-36.5	1.0-3.0	10.0-12.0	13.0-15.0
Sample ID	SB36-7.0-9.0	SB36-24.0-25.0	SB36-35.0-36.5	SB37-1.0-3.0	SB37-10.0-12.0	SB37-13.0-15.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C07	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C08	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C09-C10	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C11-C12	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C13-C14	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C15-C16	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C17-C18	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C19-C20	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C21-C22	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C23-C24	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C25-C28	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C29-C32	<5.6	<5.9	<5.8	**7.8**	**8.3**	<6.5
C33-C36	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C37-C40	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C41-C44	<5.6	<5.9	<5.8	<5.3	<6.3	<6.5
C6-C44 Total	<5.6	<5.9	<5.8	**24**	**22**	<6.5

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 5
Summary of Soil Sample Analytical Results
TPH

Boring ID	SB38	SB38	SB38	SB40	SB40	SB40
Sample Depth Interval (ft bgs)	1.0-3.0	10.0-12.0	30.0-32.0	2.0-3.0	5.0-6.5	10.0-11.5
Sample ID	SB38-1.0-3.0	SB38-10.0-12.0	SB38-30.0-32.0	SB40-2.0-3.0	SB40-5.0-6.5	SB40-10.0-11.5
Sample Date	12/21/10	12/21/10	12/21/10	12/20/10	12/20/10	12/20/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<12	<6.1	<5.9	<11	<5.6	<6.1
C07	<12	<6.1	<5.9	<11	<5.6	<6.1
C08	<12	<6.1	<5.9	<11	<5.6	<6.1
C09-C10	<12	<6.1	<5.9	<11	<5.6	<6.1
C11-C12	<12	<6.1	<5.9	<11	<5.6	<6.1
C13-C14	**27**	<6.1	<5.9	<11	<5.6	<6.1
C15-C16	**33**	<6.1	<5.9	<11	<5.6	<6.1
C17-C18	**60**	<6.1	<5.9	<11	<5.6	<6.1
C19-C20	**100**	<6.1	<5.9	**19**	<5.6	<6.1
C21-C22	**110**	<6.1	<5.9	**35**	<5.6	<6.1
C23-C24	**90**	<6.1	<5.9	**70**	<5.6	<6.1
C25-C28	**88**	<6.1	<5.9	**160**	<5.6	<6.1
C29-C32	**150**	<6.1	<5.9	**260**	<5.6	<6.1
C33-C36	**99**	<6.1	<5.9	**160**	<5.6	<6.1
C37-C40	**78**	<6.1	<5.9	**110**	<5.6	<6.1
C41-C44	**38**	<6.1	<5.9	**64**	<5.6	<6.1
C6-C44 Total	**880**	<6.1	<5.9	**890**	**11**	<6.1

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Boring ID	SB01	SB01	SB02	SB02	SB02	SB03	SB03	SB03
Sample Depth Interval (ft bgs)	2.0-2.5	34.5-35.0	1.5-2.0	14.0-14.5	34.0-34.5	1.0-1.5	14.0-14.5	21.0-21.5
Sample ID	SB01-2.0-2.5	SB01-34.5-35.0	SB02-1.5-2.0	SB02-14.0-14.5	SB02-34.0-34.5	SB03-1.0-1.5	SB03-14.0-14.5	SB03-21.0-21.5
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<50	<47	<42	<48	<39	<52	<51	<47
Benzene	<0.99	<0.94	**1.7**	<0.96	<0.78	**3.5**	<1.0	<0.94
Bromobenzene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Bromochloromethane	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
Bromoform	<5.0	<4.7	<4.2	<4.8	<3.9	<5.2	<5.1	<4.7
Bromomethane	<20	<19	<17	<19	<16	<21	<20	<19
n-Butylbenzene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
sec-Butylbenzene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Carbon disulfide	<9.9	<9.4	<8.4	<9.6	<7.8	<10	<10	<9.4
Carbon Tetrachloride	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Chlorobenzene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Chloroethane	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
Chloroform	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Chloromethane	<20	<19	<17	<19	<16	<21	<20	<19
2-Chlorotoluene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
4-Chlorotoluene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,2-Dibromo-3-chloropropane	<5.0	<4.7	<4.2	<4.8	<3.9	<5.2	<5.1	<4.7
Dibromochloromethane	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
1,2-Dibromoethane (EDB)	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Dibromomethane	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,2-Dichlorobenzene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,3-Dichlorobenzene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,4-Dichlorobenzene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Dichlorobromomethane	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,1-Dichloroethane	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	**1.2**
1,2-Dichloroethane	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,1-Dichloroethene	<0.99	<0.94	<0.84	<0.96	**1.9**	<1.0	<1.0	**10**
cis-1,2-Dichloroethene	<0.99	**1.6**	<0.84	<0.96	**1.8**	<1.0	<1.0	**1.6**
trans-1,2-Dichloroethene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,2-Dichloropropane	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,3-Dichloropropane	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
2,2-Dichloropropane	<5.0	<4.7	<4.2	<4.8	<3.9	<5.2	<5.1	<4.7
1,1-Dichloropropene	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
cis-1,3-Dichloropropene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
trans-1,3-Dichloropropene	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
Ethylbenzene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Freon 11 (Trichlorofluoromethane)	<9.9	<9.4	<8.4	<9.6	<7.8	<10	<10	<9.4
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<9.9	<9.4	<8.4	<9.6	<7.8	<10	<10	<9.4
Freon 12 (Dichlorodifluoromethane)	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
2-Hexanone	<20	<19	<17	<19	<16	<21	<20	<19
Isopropylbenzene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
p-Isopropyltoluene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Methyl Ethyl Ketone	<20	<19	<17	<19	<16	<21	<20	<19
Methyl isobutyl ketone (MIBK)	<20	<19	<17	<19	<16	<21	<20	<19
Methyl Tert-butyl ether (MTBE)	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
Methylene chloride	<9.9	<9.4	<8.4	<9.6	<7.8	<10	<10	<9.4
Naphthalene	<9.9	<9.4	<8.4	<9.6	<7.8	<10	<10	<9.4
n-Propylbenzene	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
Styrene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
tert-Butylbenzene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,1,1,2-Tetrachloroethane	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,1,2,2-Tetrachloroethane	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
Tetrachloroethene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Toluene	<0.99	<0.94	<0.84	<0.96	<0.78	**1.6**	<1.0	<0.94
1,2,3-Trichlorobenzene	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
1,2,4-Trichlorobenzene	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
1,1,1-Trichloroethane	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
1,1,2-Trichloroethane	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
Trichloroethene	<2.0	**2.6**	<1.7	<1.9	**5.0**	<2.1	<2.0	**4.7**
1,2,3-Trichloropropane	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
1,2,4-Trimethylbenzene	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
1,3,5-Trimethylbenzene	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
Vinyl Acetate	<9.9	<9.4	<8.4	<9.6	<7.8	<10	<10	<9.4
Vinyl Chloride	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94
m,p-Xylene	<2.0	<1.9	<1.7	<1.9	<1.6	<2.1	<2.0	<1.9
o-Xylene	<0.99	<0.94	<0.84	<0.96	<0.78	<1.0	<1.0	<0.94

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB03	SB05	SB05	SB05	SB05	SB08	SB08	SB08
Sample Depth Interval (ft bgs)	34.0-34.5	2.0-2.5	12.0-12.5	25.0-25.5	36.0-36.5	3.0-3.5	15.0-15.5	18.5-19.0
Sample ID	SB03-34.0-34.5	SB05-2.0-2.5	SB05-12.0-12.5	SB05-25.0-25.5	SB05-36.0-36.5	SB08-3.0-3.5	SB08-15.0-15.5	SB08-18.5-19.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<44	<60	<50	<42	<48	<52	<44	<46
Benzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Bromobenzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Bromochloromethane	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
Bromoform	<4.4	<6.0	<5.0	<4.2	<4.8	<5.2	<4.4	<4.6
Bromomethane	<17	<24	<20	<17	<19	<21	<18	<19
n-Butylbenzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
sec-Butylbenzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Carbon disulfide	<8.7	<12	<10	<8.4	<9.5	<10	<8.9	<9.3
Carbon Tetrachloride	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Chlorobenzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Chloroethane	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
Chloroform	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Chloromethane	<17	<24	<20	<17	<19	<21	<18	<19
2-Chlorotoluene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
4-Chlorotoluene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,2-Dibromo-3-chloropropane	<4.4	<6.0	<5.0	<4.2	<4.8	<5.2	<4.4	<4.6
Dibromochloromethane	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
1,2-Dibromoethane (EDB)	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Dibromomethane	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,2-Dichlorobenzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,3-Dichlorobenzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,4-Dichlorobenzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Dichlorobromomethane	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,1-Dichloroethane	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,2-Dichloroethane	<0.87	<1.2	<1.0	**0.84**	**1.9**	<1.0	<0.89	<0.93
1,1-Dichloroethene	**9.2**	<1.2	**2.2**	**1.7**	<0.95	<1.0	<0.89	<0.93
cis-1,2-Dichloroethene	**1.7**	<1.2	**1.2**	<0.84	<0.95	<1.0	**1.1**	**1.9**
trans-1,2-Dichloroethene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,2-Dichloropropane	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,3-Dichloropropane	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
2,2-Dichloropropane	<4.4	<6.0	<5.0	<4.2	<4.8	<5.2	<4.4	<4.6
1,1-Dichloropropene	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
cis-1,3-Dichloropropene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
trans-1,3-Dichloropropene	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
Ethylbenzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Freon 11 (Trichlorofluoromethane)	<8.7	<12	<10	<8.4	<9.5	<10	<8.9	<9.3
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<8.7	<12	<10	<8.4	<9.5	<10	<8.9	<9.3
Freon 12 (Dichlorodifluoromethane)	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
2-Hexanone	<17	<24	<20	<17	<19	<21	<18	<19
Isopropylbenzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
p-Isopropyltoluene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Methyl Ethyl Ketone	<17	<24	<20	<17	<19	<21	<18	<19
Methyl isobutyl ketone (MIBK)	<17	<24	<20	<17	<19	<21	<18	<19
Methyl Tert-butyl ether (MTBE)	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
Methylene chloride	<8.7	<12	<10	<8.4	<9.5	<10	<8.9	<9.3
Naphthalene	<8.7	<12	<10	<8.4	<9.5	<10	<8.9	<9.3
n-Propylbenzene	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
Styrene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
tert-Butylbenzene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,1,1,2-Tetrachloroethane	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,1,2,2-Tetrachloroethane	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
Tetrachloroethene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Toluene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,2,3-Trichlorobenzene	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
1,2,4-Trichlorobenzene	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
1,1,1-Trichloroethane	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
1,1,2-Trichloroethane	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
Trichloroethene	**5.9**	<2.4	<2.0	**2.5**	**2.2**	<2.1	<1.8	**4.4**
1,2,3-Trichloropropane	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
1,2,4-Trimethylbenzene	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
1,3,5-Trimethylbenzene	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
Vinyl Acetate	<8.7	<12	<10	<8.4	<9.5	<10	<8.9	<9.3
Vinyl Chloride	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93
m,p-Xylene	<1.7	<2.4	<2.0	<1.7	<1.9	<2.1	<1.8	<1.9
o-Xylene	<0.87	<1.2	<1.0	<0.84	<0.95	<1.0	<0.89	<0.93

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB09	SB09	SB09	SB09	SB09	SB10	SB10	SB10
Sample Depth Interval (ft bgs)	4.0-4.5	13.0-13.5	19.5-20.0	22.0-22.5	34.0-34.5	4.5-5.0	8.5-9.0	20.5-21.0
Sample ID	SB09-4.0-4.5	SB09-13.0-13.5	SB09-19.5-20.0	SB09-22.0-22.5	SB09-33.0-34.0	SB10-4.5-5.0	SB10-8.5-9.0	SB10-20.5-21.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/19/10	12/19/10	12/19/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<56	<39	<40	<41	<42	<47	<54	<42
Benzene	**1.4**	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Bromobenzene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Bromochloromethane	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
Bromoform	<5.6	<3.9	<4.0	<4.1	<4.2	<4.7	<5.4	<4.2
Bromomethane	<22	<16	<16	<16	<17	<19	<21	<17
n-Butylbenzene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
sec-Butylbenzene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Carbon disulfide	<11	<7.9	<8.0	<8.2	<8.4	<9.3	<11	<8.4
Carbon Tetrachloride	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Chlorobenzene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Chloroethane	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
Chloroform	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Chloromethane	<22	<16	<16	<16	<17	<19	<21	<17
2-Chlorotoluene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
4-Chlorotoluene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,2-Dibromo-3-chloropropane	<5.6	<3.9	<4.0	<4.1	<4.2	<4.7	<5.4	<4.2
Dibromochloromethane	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
1,2-Dibromoethane (EDB)	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Dibromomethane	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,2-Dichlorobenzene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,3-Dichlorobenzene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,4-Dichlorobenzene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Dichlorobromomethane	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,1-Dichloroethane	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,2-Dichloroethane	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,1-Dichloroethene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
cis-1,2-Dichloroethene	<1.1	<0.79	<0.80	**3.4**	<0.84	<0.93	<1.1	<0.84
trans-1,2-Dichloroethene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,2-Dichloropropane	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,3-Dichloropropane	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
2,2-Dichloropropane	<5.6	<3.9	<4.0	<4.1	<4.2	<4.7	<5.4	<4.2
1,1-Dichloropropene	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
cis-1,3-Dichloropropene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
trans-1,3-Dichloropropene	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
Ethylbenzene	<1.1	<0.79	<0.80	<0.82	**0.86**	<0.93	<1.1	<0.84
Freon 11 (Trichlorofluoromethane)	<11	<7.9	<8.0	<8.2	<8.4	<9.3	<11	<8.4
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<11	<7.9	<8.0	<8.2	<8.4	<9.3	<11	<8.4
Freon 12 (Dichlorodifluoromethane)	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
2-Hexanone	<22	<16	<16	<16	<17	<19	<21	<17
Isopropylbenzene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
p-Isopropyltoluene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Methyl Ethyl Ketone	<22	<16	<16	<16	<17	<19	<21	<17
Methyl isobutyl ketone (MIBK)	<22	<16	<16	<16	<17	<19	<21	<17
Methyl Tert-butyl ether (MTBE)	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
Methylene chloride	<11	<7.9	<8.0	<8.2	<8.4	<9.3	<11	<8.4
Naphthalene	<11	<7.9	<8.0	<8.2	<8.4	<9.3	<11	<8.4
n-Propylbenzene	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
Styrene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
tert-Butylbenzene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,1,1,2-Tetrachloroethane	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,1,2,2-Tetrachloroethane	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
Tetrachloroethene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Toluene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,2,3-Trichlorobenzene	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
1,2,4-Trichlorobenzene	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
1,1,1-Trichloroethane	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
1,1,2-Trichloroethane	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
Trichloroethene	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
1,2,3-Trichloropropane	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
1,2,4-Trimethylbenzene	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
1,3,5-Trimethylbenzene	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
Vinyl Acetate	<11	<7.9	<8.0	<8.2	<8.4	<9.3	<11	<8.4
Vinyl Chloride	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84
m,p-Xylene	<2.2	<1.6	<1.6	<1.6	<1.7	<1.9	<2.1	<1.7
o-Xylene	<1.1	<0.79	<0.80	<0.82	<0.84	<0.93	<1.1	<0.84

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB10	SB10	SB11	SB11	SB11	SB13	SB13	SB13
Sample Depth Interval (ft bgs)	25.0-25.5	32.5-33.0	7.0-7.5	10.5-11.0	19.5-20.0	1.0-1.5	14.5-15.0	22.0-22.5
Sample ID	SB10-25.0-25.5	SB10-32.5-33.0	SB11-7.0-7.5	SB11-10.5-11.0	SB11-19.5-20.0	SB13-1.0-1.5	SB13-14.5-15.0	SB13-22.0-22.5
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/21/10	12/21/10	12/21/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<44	<47	<60	<68	<38	<62	<50	<48
Benzene	<0.87	<0.94	**1.3**	**1.7**	<0.76	<1.2	<1.0	<0.95
Bromobenzene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Bromochloromethane	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
Bromoform	<4.4	<4.7	<6.0	<6.8	<3.8	<6.2	<5.0	<4.8
Bromomethane	<17	<19	<24	<27	<15	<25	<20	<19
n-Butylbenzene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
sec-Butylbenzene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Carbon disulfide	<8.7	<9.4	<12	<14	<7.6	<12	**11**	<9.5
Carbon Tetrachloride	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Chlorobenzene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Chloroethane	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
Chloroform	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Chloromethane	<17	<19	<24	<27	<15	<25	<20	<19
2-Chlorotoluene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
4-Chlorotoluene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,2-Dibromo-3-chloropropane	<4.4	<4.7	<6.0	<6.8	<3.8	<6.2	<5.0	<4.8
Dibromochloromethane	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
1,2-Dibromoethane (EDB)	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Dibromomethane	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,2-Dichlorobenzene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,3-Dichlorobenzene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,4-Dichlorobenzene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Dichlorobromomethane	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,1-Dichloroethane	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,2-Dichloroethane	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,1-Dichloroethene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
cis-1,2-Dichloroethene	**1.1**	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	**11**
trans-1,2-Dichloroethene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	**1.0**
1,2-Dichloropropane	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,3-Dichloropropane	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
2,2-Dichloropropane	<4.4	<4.7	<6.0	<6.8	<3.8	<6.2	<5.0	<4.8
1,1-Dichloropropene	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
cis-1,3-Dichloropropene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
trans-1,3-Dichloropropene	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
Ethylbenzene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Freon 11 (Trichlorofluoromethane)	<8.7	<9.4	<12	<14	<7.6	<12	<10	<9.5
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<8.7	<9.4	<12	<14	<7.6	<12	<10	<9.5
Freon 12 (Dichlorodifluoromethane)	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
2-Hexanone	<17	<19	<24	<27	<15	<25	<20	<19
Isopropylbenzene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
p-Isopropyltoluene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Methyl Ethyl Ketone	<17	<19	<24	<27	<15	<25	<20	<19
Methyl isobutyl ketone (MIBK)	<17	<19	<24	<27	<15	<25	<20	<19
Methyl Tert-butyl ether (MTBE)	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
Methylene chloride	<8.7	<9.4	<12	<14	<7.6	<12	<10	<9.5
Naphthalene	<8.7	<9.4	<12	<14	<7.6	<12	<10	<9.5
n-Propylbenzene	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
Styrene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
tert-Butylbenzene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,1,1,2-Tetrachloroethane	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,1,2,2-Tetrachloroethane	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
Tetrachloroethene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Toluene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,2,3-Trichlorobenzene	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
1,2,4-Trichlorobenzene	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
1,1,1-Trichloroethane	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
1,1,2-Trichloroethane	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
Trichloroethene	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	**16**
1,2,3-Trichloropropane	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
1,2,4-Trimethylbenzene	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
1,3,5-Trimethylbenzene	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
Vinyl Acetate	<8.7	<9.4	<12	<14	<7.6	<12	<10	<9.5
Vinyl Chloride	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95
m,p-Xylene	<1.7	<1.9	<2.4	<2.7	<1.5	<2.5	<2.0	<1.9
o-Xylene	<0.87	<0.94	<1.2	<1.4	<0.76	<1.2	<1.0	<0.95

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB14	SB14	SB14	SB15	SB15	SB15	SB16	SB16
Sample Depth Interval (ft bgs)	4.0-4.5	13.5-14.0	15.5-16.0	2.0-2.5	13.0-13.5	16.5-17.0	5.5-6.0	17.0-17.5
Sample ID	SB14-4.0-4.5	SB14-13.5-14.0	SB14-15.5-16.0	SB15-2.0-2.5	SB15-13.0-13.5	SB15-16.5-17.0	SB16-5.5-6.0	SB16-17.0-17.5
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<52	<55	<46	<60	<54	<52	<49	<40
Benzene	**3.4**	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Bromobenzene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Bromochloromethane	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
Bromoform	<5.2	<5.5	<4.6	<6.0	<5.4	<5.2	<4.9	<4.0
Bromomethane	<21	<22	<19	<24	<22	<21	<19	<16
n-Butylbenzene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
sec-Butylbenzene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Carbon disulfide	<10	<11	<9.3	<12	<11	<10	<9.7	<8.0
Carbon Tetrachloride	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Chlorobenzene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Chloroethane	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
Chloroform	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Chloromethane	<21	<22	<19	<24	<22	<21	<19	<16
2-Chlorotoluene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
4-Chlorotoluene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,2-Dibromo-3-chloropropane	<5.2	<5.5	<4.6	<6.0	<5.4	<5.2	<4.9	<4.0
Dibromochloromethane	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
1,2-Dibromoethane (EDB)	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Dibromomethane	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,2-Dichlorobenzene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,3-Dichlorobenzene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,4-Dichlorobenzene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Dichlorobromomethane	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,1-Dichloroethane	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,2-Dichloroethane	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,1-Dichloroethene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
cis-1,2-Dichloroethene	<1.0	<1.1	<0.93	<1.2	<1.1	**1.6**	<0.97	<0.80
trans-1,2-Dichloroethene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,2-Dichloropropane	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,3-Dichloropropane	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
2,2-Dichloropropane	<5.2	<5.5	<4.6	<6.0	<5.4	<5.2	<4.9	<4.0
1,1-Dichloropropene	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
cis-1,3-Dichloropropene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
trans-1,3-Dichloropropene	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
Ethylbenzene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Freon 11 (Trichlorofluoromethane)	<10	<11	<9.3	<12	<11	<10	<9.7	<8.0
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<10	<11	<9.3	<12	<11	<10	<9.7	<8.0
Freon 12 (Dichlorodifluoromethane)	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
2-Hexanone	<21	<22	<19	<24	<22	<21	<19	<16
Isopropylbenzene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
p-Isopropyltoluene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Methyl Ethyl Ketone	<21	<22	<19	<24	<22	<21	<19	<16
Methyl isobutyl ketone (MIBK)	<21	<22	<19	<24	<22	<21	<19	<16
Methyl Tert-butyl ether (MTBE)	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
Methylene chloride	<10	<11	<9.3	<12	<11	<10	<9.7	<8.0
Naphthalene	<10	<11	<9.3	<12	<11	<10	<9.7	<8.0
n-Propylbenzene	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
Styrene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
tert-Butylbenzene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,1,1,2-Tetrachloroethane	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,1,2,2-Tetrachloroethane	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
Tetrachloroethene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Toluene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,2,3-Trichlorobenzene	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
1,2,4-Trichlorobenzene	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
1,1,1-Trichloroethane	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
1,1,2-Trichloroethane	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
Trichloroethene	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
1,2,3-Trichloropropane	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
1,2,4-Trimethylbenzene	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
1,3,5-Trimethylbenzene	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
Vinyl Acetate	<10	<11	<9.3	<12	<11	<10	<9.7	<8.0
Vinyl Chloride	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80
m,p-Xylene	<2.1	<2.2	<1.9	<2.4	<2.2	<2.1	<1.9	<1.6
o-Xylene	<1.0	<1.1	<0.93	<1.2	<1.1	<1.0	<0.97	<0.80

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB18	SB18	SB18	SB18	SB18	SB19	SB19	SB19
Sample Depth Interval (ft bgs)	4.25-4.75	8.5-9.0	13.0-13.5	23.0-23.5	27.5-28.0	15.5-16.0	17.0-17.5	22.0-22.5
Sample ID	SB18-4.25-4.75	SB18-8.5-9.0	SB18-13.0-13.5	SB18-23.0-23.5	SB18-27.5-28.0	SB19-15.5-16.0	SB19-17.0-17.5	SB19-22.0-22.5
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<82	<51	<54	<43	<42	<37	<39	<44
Benzene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
Bromobenzene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
Bromochloromethane	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
Bromoform	<8.2	<5.1	<5.4	<4.3	<4.2	<3.7	<3.9	<4.4
Bromomethane	<33	<20	<22	<17	<17	<15	<16	<18
n-Butylbenzene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
sec-Butylbenzene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
Carbon disulfide	<16	<10	<11	<8.5	<8.5	<7.4	<7.9	<8.8
Carbon Tetrachloride	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
Chlorobenzene	<1.6	<1.0	**1.1**	<0.85	<0.85	<0.74	<0.79	<0.88
Chloroethane	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
Chloroform	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
Chloromethane	<33	<20	<22	<17	<17	<15	<16	<18
2-Chlorotoluene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
4-Chlorotoluene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,2-Dibromo-3-chloropropane	<8.2	<5.1	<5.4	<4.3	<4.2	<3.7	<3.9	<4.4
Dibromochloromethane	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
1,2-Dibromoethane (EDB)	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
Dibromomethane	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,2-Dichlorobenzene	<1.6	<1.0	**1.8**	<0.85	<0.85	<0.74	<0.79	<0.88
1,3-Dichlorobenzene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,4-Dichlorobenzene	<1.6	<1.0	**1.4**	<0.85	<0.85	<0.74	<0.79	<0.88
Dichlorobromomethane	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,1-Dichloroethane	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,2-Dichloroethane	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,1-Dichloroethene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
cis-1,2-Dichloroethene	<1.6	<1.0	<1.1	**2.7**	**7.0**	<0.74	**1.8**	**2.2**
trans-1,2-Dichloroethene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,2-Dichloropropane	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,3-Dichloropropane	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
2,2-Dichloropropane	<8.2	<5.1	<5.4	<4.3	<4.2	<3.7	<3.9	<4.4
1,1-Dichloropropene	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
cis-1,3-Dichloropropene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
trans-1,3-Dichloropropene	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
Ethylbenzene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
Freon 11 (Trichlorofluoromethane)	<16	<10	**33**	<8.5	<8.5	<7.4	<7.9	<8.8
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<16	<10	<11	<8.5	<8.5	<7.4	<7.9	<8.8
Freon 12 (Dichlorodifluoromethane)	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
2-Hexanone	<33	<20	<22	<17	<17	<15	<16	<18
Isopropylbenzene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
p-Isopropyltoluene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
Methyl Ethyl Ketone	<33	<20	<22	<17	<17	<15	<16	<18
Methyl isobutyl ketone (MIBK)	<33	<20	<22	<17	<17	<15	<16	<18
Methyl Tert-butyl ether (MTBE)	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
Methylene chloride	<16	<10	<11	<8.5	<8.5	<7.4	<7.9	<8.8
Naphthalene	<16	<10	<11	<8.5	<8.5	<7.4	<7.9	<8.8
n-Propylbenzene	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
Styrene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
tert-Butylbenzene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,1,1,2-Tetrachloroethane	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,1,2,2-Tetrachloroethane	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
Tetrachloroethene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
Toluene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,2,3-Trichlorobenzene	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
1,2,4-Trichlorobenzene	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
1,1,1-Trichloroethane	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
1,1,2-Trichloroethane	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
Trichloroethene	<3.3	<2.0	<2.2	**3.1**	**17**	<1.5	**2.4**	**3.0**
1,2,3-Trichloropropane	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
1,2,4-Trimethylbenzene	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
1,3,5-Trimethylbenzene	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
Vinyl Acetate	<16	<10	<11	<8.5	<8.5	<7.4	<7.9	<8.8
Vinyl Chloride	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88
m,p-Xylene	<3.3	<2.0	<2.2	<1.7	<1.7	<1.5	<1.6	<1.8
o-Xylene	<1.6	<1.0	<1.1	<0.85	<0.85	<0.74	<0.79	<0.88

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB21	SB21	SB21	SB21	SB22	SB22	SB22	SB22
Sample Depth Interval (ft bgs)	4.5-5.0	13.5-14.0	21.5-22.0	27.5-28.0	5.0-5.5	9.5-10.0	17.0-17.5	21.0-21.5
Sample ID	SB21-4.5-5.0	SB21-13.5-14.0	SB21-21.5-22.0	SB21-27.5-28.0	SB22-5.0-5.5	SB22-9.5-10.0	SB22-17.0-17.5	SB22-21.0-21.5
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<49	<44	<43	<44	<45	<40	<42	<60
Benzene	**1.1**	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Bromobenzene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Bromochloromethane	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
Bromoform	<4.9	<4.4	<4.3	<4.4	<4.5	<4.0	<4.2	<6.0
Bromomethane	<19	<17	<17	<17	<18	<16	<17	<24
n-Butylbenzene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
sec-Butylbenzene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Carbon disulfide	<9.7	<8.7	<8.6	<8.7	<9.1	<8.0	<8.4	<12
Carbon Tetrachloride	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Chlorobenzene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Chloroethane	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
Chloroform	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Chloromethane	<19	<17	<17	<17	<18	<16	<17	<24
2-Chlorotoluene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
4-Chlorotoluene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,2-Dibromo-3-chloropropane	<4.9	<4.4	<4.3	<4.4	<4.5	<4.0	<4.2	<6.0
Dibromochloromethane	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
1,2-Dibromoethane (EDB)	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Dibromomethane	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,2-Dichlorobenzene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,3-Dichlorobenzene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,4-Dichlorobenzene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Dichlorobromomethane	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,1-Dichloroethane	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,2-Dichloroethane	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,1-Dichloroethene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
cis-1,2-Dichloroethene	<0.97	<0.87	<0.86	**5.1**	<0.91	<0.80	**3.1**	<1.2
trans-1,2-Dichloroethene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,2-Dichloropropane	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,3-Dichloropropane	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
2,2-Dichloropropane	<4.9	<4.4	<4.3	<4.4	<4.5	<4.0	<4.2	<6.0
1,1-Dichloropropene	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
cis-1,3-Dichloropropene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
trans-1,3-Dichloropropene	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
Ethylbenzene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Freon 11 (Trichlorofluoromethane)	<9.7	<8.7	<8.6	<8.7	<9.1	<8.0	<8.4	<12
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<9.7	<8.7	<8.6	<8.7	<9.1	<8.0	<8.4	<12
Freon 12 (Dichlorodifluoromethane)	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
2-Hexanone	<19	<17	<17	<17	<18	<16	<17	<24
Isopropylbenzene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
p-Isopropyltoluene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Methyl Ethyl Ketone	<19	<17	<17	<17	<18	<16	<17	<24
Methyl isobutyl ketone (MIBK)	<19	<17	<17	<17	<18	<16	<17	<24
Methyl Tert-butyl ether (MTBE)	<1.9	<1.7	<1.7	**1.9**	<1.8	<1.6	<1.7	<2.4
Methylene chloride	<9.7	<8.7	<8.6	<8.7	<9.1	<8.0	<8.4	<12
Naphthalene	<9.7	<8.7	<8.6	<8.7	<9.1	<8.0	<8.4	<12
n-Propylbenzene	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
Styrene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
tert-Butylbenzene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,1,1,2-Tetrachloroethane	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,1,2,2-Tetrachloroethane	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
Tetrachloroethene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Toluene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,2,3-Trichlorobenzene	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
1,2,4-Trichlorobenzene	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
1,1,1-Trichloroethane	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
1,1,2-Trichloroethane	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
Trichloroethene	<1.9	<1.7	<1.7	**6.8**	<1.8	<1.6	<1.7	<2.4
1,2,3-Trichloropropane	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
1,2,4-Trimethylbenzene	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
1,3,5-Trimethylbenzene	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
Vinyl Acetate	<9.7	<8.7	<8.6	<8.7	<9.1	<8.0	<8.4	<12
Vinyl Chloride	<0.97	**4.7**	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2
m,p-Xylene	<1.9	<1.7	<1.7	<1.7	<1.8	<1.6	<1.7	<2.4
o-Xylene	<0.97	<0.87	<0.86	<0.87	<0.91	<0.80	<0.84	<1.2

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB26	SB26	SB26	SB26	SB28	SB28	SB28	SB28
Sample Depth Interval (ft bgs)	3.0-3.5	9.5-10.0	15.0-15.5	25.0-25.5	3.5-4.0	16.5-17.0	21.0-21.5	24.5-25.0
Sample ID	SB26-3.0-3.5	SB26-9.5-10.0	SB26-15.0-15.5	SB26-25.0-25.5	SB28-3.5-4.0	SB28-16.5-17.0	SB28-21.0-21.5	SB28-24.5-25.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<57	<51	<45	<44	<43	<44	<40	<38
Benzene	<1.1	**1.1**	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Bromobenzene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Bromochloromethane	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
Bromoform	<5.7	<5.1	<4.5	<4.4	<4.3	<4.4	<4.0	<3.8
Bromomethane	<23	<20	<18	<17	<17	<18	<16	<15
n-Butylbenzene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
sec-Butylbenzene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Carbon disulfide	<11	<10	<9.0	<8.7	<8.6	<8.8	<8.0	<7.5
Carbon Tetrachloride	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Chlorobenzene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Chloroethane	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
Chloroform	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Chloromethane	<23	<20	<18	<17	<17	<18	<16	<15
2-Chlorotoluene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
4-Chlorotoluene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,2-Dibromo-3-chloropropane	<5.7	<5.1	<4.5	<4.4	<4.3	<4.4	<4.0	<3.8
Dibromochloromethane	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
1,2-Dibromoethane (EDB)	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Dibromomethane	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,2-Dichlorobenzene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,3-Dichlorobenzene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,4-Dichlorobenzene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Dichlorobromomethane	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,1-Dichloroethane	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,2-Dichloroethane	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,1-Dichloroethene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
cis-1,2-Dichloroethene	<1.1	<1.0	**1.1**	<0.87	<0.86	<0.88	<0.80	<0.75
trans-1,2-Dichloroethene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,2-Dichloropropane	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,3-Dichloropropane	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
2,2-Dichloropropane	<5.7	<5.1	<4.5	<4.4	<4.3	<4.4	<4.0	<3.8
1,1-Dichloropropene	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
cis-1,3-Dichloropropene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
trans-1,3-Dichloropropene	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
Ethylbenzene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Freon 11 (Trichlorofluoromethane)	<11	<10	<9.0	<8.7	<8.6	<8.8	<8.0	<7.5
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<11	<10	<9.0	<8.7	<8.6	<8.8	<8.0	<7.5
Freon 12 (Dichlorodifluoromethane)	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
2-Hexanone	<23	<20	<18	<17	<17	<18	<16	<15
Isopropylbenzene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
p-Isopropyltoluene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Methyl Ethyl Ketone	<23	<20	<18	<17	<17	<18	<16	<15
Methyl isobutyl ketone (MIBK)	<23	<20	<18	<17	<17	<18	<16	<15
Methyl Tert-butyl ether (MTBE)	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
Methylene chloride	<11	<10	<9.0	<8.7	<8.6	<8.8	<8.0	<7.5
Naphthalene	<11	<10	<9.0	<8.7	<8.6	<8.8	<8.0	<7.5
n-Propylbenzene	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
Styrene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
tert-Butylbenzene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,1,1,2-Tetrachloroethane	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,1,2,2-Tetrachloroethane	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
Tetrachloroethene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Toluene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,2,3-Trichlorobenzene	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
1,2,4-Trichlorobenzene	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
1,1,1-Trichloroethane	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
1,1,2-Trichloroethane	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
Trichloroethene	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
1,2,3-Trichloropropane	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
1,2,4-Trimethylbenzene	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
1,3,5-Trimethylbenzene	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
Vinyl Acetate	<11	<10	<9.0	<8.7	<8.6	<8.8	<8.0	<7.5
Vinyl Chloride	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75
m,p-Xylene	<2.3	<2.0	<1.8	<1.7	<1.7	<1.8	<1.6	<1.5
o-Xylene	<1.1	<1.0	<0.90	<0.87	<0.86	<0.88	<0.80	<0.75

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB29	SB29	SB29	SB29	SB29	SB29	SB30	SB30
Sample Depth Interval (ft bgs)	1.5-2.0	4.0-4.5	13.5-14.0	16.5-17.0	23.0-23.5	25.5-26.0	4.0-4.5	14.0-14.5
Sample ID	SB29-1.5-2.0	SB29-4.0-4.5	SB29-13.5-14.0	SB29-16.5-17.0	SB29-23.0-23.5	SB29-25.5-26.0	SB30-4.0-4.5	SB30-14.0-14.5
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<50	<50	<49	<45	<41	<52	<58	<60
Benzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Bromobenzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Bromochloromethane	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
Bromoform	<5.0	<5.0	<4.9	<4.5	<4.1	<5.2	<5.8	<6.0
Bromomethane	<20	<20	<20	<18	<16	<21	<23	<24
n-Butylbenzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
sec-Butylbenzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Carbon disulfide	<9.9	**15**	<9.8	<9.0	<8.1	<10	<12	<12
Carbon Tetrachloride	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Chlorobenzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Chloroethane	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
Chloroform	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Chloromethane	<20	<20	<20	<18	<16	<21	<23	<24
2-Chlorotoluene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
4-Chlorotoluene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<4.9	<4.5	<4.1	<5.2	<5.8	<6.0
Dibromochloromethane	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
1,2-Dibromoethane (EDB)	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Dibromomethane	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,2-Dichlorobenzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,3-Dichlorobenzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,4-Dichlorobenzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Dichlorobromomethane	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,1-Dichloroethane	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,2-Dichloroethane	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,1-Dichloroethene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
cis-1,2-Dichloroethene	<0.99	<1.0	<0.98	<0.90	**4.8**	**4.3**	<1.2	<1.2
trans-1,2-Dichloroethene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,2-Dichloropropane	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,3-Dichloropropane	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
2,2-Dichloropropane	<5.0	<5.0	<4.9	<4.5	<4.1	<5.2	<5.8	<6.0
1,1-Dichloropropene	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
cis-1,3-Dichloropropene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
trans-1,3-Dichloropropene	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
Ethylbenzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Freon 11 (Trichlorofluoromethane)	<9.9	<10	<9.8	<9.0	<8.1	<10	<12	<12
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<9.9	<10	<9.8	<9.0	<8.1	<10	<12	<12
Freon 12 (Dichlorodifluoromethane)	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
2-Hexanone	<20	<20	<20	<18	<16	<21	<23	<24
Isopropylbenzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
p-Isopropyltoluene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Methyl Ethyl Ketone	<20	<20	<20	<18	<16	<21	<23	<24
Methyl isobutyl ketone (MIBK)	<20	<20	<20	<18	<16	<21	<23	<24
Methyl Tert-butyl ether (MTBE)	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
Methylene chloride	<9.9	<10	<9.8	<9.0	<8.1	<10	<12	<12
Naphthalene	<9.9	<10	<9.8	<9.0	<8.1	<10	<12	<12
n-Propylbenzene	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
Styrene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
tert-Butylbenzene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,1,1,2-Tetrachloroethane	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,1,2,2-Tetrachloroethane	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
Tetrachloroethene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Toluene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,2,3-Trichlorobenzene	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
1,2,4-Trichlorobenzene	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
1,1,1-Trichloroethane	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
1,1,2-Trichloroethane	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
Trichloroethene	<2.0	<2.0	<2.0	<1.8	**5.8**	**5.7**	<2.3	<2.4
1,2,3-Trichloropropane	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
1,2,4-Trimethylbenzene	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
1,3,5-Trimethylbenzene	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
Vinyl Acetate	<9.9	<10	<9.8	<9.0	<8.1	<10	<12	<12
Vinyl Chloride	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2
m,p-Xylene	<2.0	<2.0	<2.0	<1.8	<1.6	<2.1	<2.3	<2.4
o-Xylene	<0.99	<1.0	<0.98	<0.90	<0.81	<1.0	<1.2	<1.2

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB30	SB30	SB31	SB31	SB31	SB31	SB32	SB32
Sample Depth Interval (ft bgs)	19.0-19.5	26.0-26.5	4.0-4.5	25.0-25.5	27.0-28.0	33.0-33.5	4.0-4.5	15.5-16.0
Sample ID	SB30-19.0-19.5	SB30-26.0-26.5	SB31-4.0-4.5	SB31-25.0-25.5	SB31-27.0-28.0	SB31-33.0-33.5	SB32-4.0-4.5	SB32-15.5-16.0
Sample Date	12/20/10	12/20/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<40	<45	<52	<41	<52	<44	<62	<58
Benzene	<0.80	<0.89	**1.4**	<0.83	<1.0	<0.89	<1.2	<1.2
Bromobenzene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Bromochloromethane	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
Bromoform	<4.0	<4.5	<5.2	<4.1	<5.2	<4.4	<6.2	<5.8
Bromomethane	<16	<18	<21	<17	<21	<18	<25	<23
n-Butylbenzene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
sec-Butylbenzene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Carbon disulfide	<8.0	<8.9	<10	<8.3	<10	<8.9	<12	<12
Carbon Tetrachloride	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Chlorobenzene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Chloroethane	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
Chloroform	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Chloromethane	<16	<18	<21	<17	<21	<18	<25	<23
2-Chlorotoluene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
4-Chlorotoluene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,2-Dibromo-3-chloropropane	<4.0	<4.5	<5.2	<4.1	<5.2	<4.4	<6.2	<5.8
Dibromochloromethane	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
1,2-Dibromoethane (EDB)	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Dibromomethane	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,2-Dichlorobenzene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,3-Dichlorobenzene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,4-Dichlorobenzene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Dichlorobromomethane	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,1-Dichloroethane	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,2-Dichloroethane	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,1-Dichloroethene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
cis-1,2-Dichloroethene	<0.80	<0.89	<1.0	**7.9**	**5.0**	**5.5**	<1.2	<1.2
trans-1,2-Dichloroethene	<0.80	<0.89	<1.0	**2.0**	<1.0	<0.89	<1.2	<1.2
1,2-Dichloropropane	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,3-Dichloropropane	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
2,2-Dichloropropane	<4.0	<4.5	<5.2	<4.1	<5.2	<4.4	<6.2	<5.8
1,1-Dichloropropene	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
cis-1,3-Dichloropropene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
trans-1,3-Dichloropropene	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
Ethylbenzene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Freon 11 (Trichlorofluoromethane)	<8.0	<8.9	<10	<8.3	<10	<8.9	<12	<12
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<8.0	<8.9	<10	<8.3	<10	<8.9	<12	<12
Freon 12 (Dichlorodifluoromethane)	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
2-Hexanone	<16	<18	<21	<17	<21	<18	<25	<23
Isopropylbenzene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
p-Isopropyltoluene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Methyl Ethyl Ketone	<16	<18	<21	<17	<21	<18	<25	<23
Methyl isobutyl ketone (MIBK)	<16	<18	<21	<17	<21	<18	<25	<23
Methyl Tert-butyl ether (MTBE)	<1.6	**6.4**	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
Methylene chloride	<8.0	<8.9	<10	<8.3	<10	<8.9	<12	<12
Naphthalene	<8.0	<8.9	<10	<8.3	<10	<8.9	<12	<12
n-Propylbenzene	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
Styrene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
tert-Butylbenzene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,1,1,2-Tetrachloroethane	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,1,2,2-Tetrachloroethane	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
Tetrachloroethene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Toluene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,2,3-Trichlorobenzene	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
1,2,4-Trichlorobenzene	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
1,1,1-Trichloroethane	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
1,1,2-Trichloroethane	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
Trichloroethene	<1.6	<1.8	<2.1	<1.7	**6.7**	**10**	<2.5	<2.3
1,2,3-Trichloropropane	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
1,2,4-Trimethylbenzene	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
1,3,5-Trimethylbenzene	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
Vinyl Acetate	<8.0	<8.9	<10	<8.3	<10	<8.9	<12	<12
Vinyl Chloride	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2
m,p-Xylene	<1.6	<1.8	<2.1	<1.7	<2.1	<1.8	<2.5	<2.3
o-Xylene	<0.80	<0.89	<1.0	<0.83	<1.0	<0.89	<1.2	<1.2

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB32	SB33	SB33	SB33	SB33	SB34	SB34	SB34
Sample Depth Interval (ft bgs)	29.0-29.5	3.0-3.5	16.0-16.5	26.5-27.0	38.0-38.5	1.5-2.0	15.5-16.0	25.0-25.5
Sample ID	SB32-29.0-29.5	SB33-3.0-3.5	SB33-16.0-16.5	SB33-26.5-27.0	SB33-38.0-38.5	SB34-1.5-2.0	SB34-15.5-16.0	SB34-25.0-25.5
Sample Date	12/21/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<43	<49	<47	<45	<39	<54	<40	<45
Benzene	<0.86	<0.98	**1.3**	<0.90	<0.78	**1.5**	<0.80	<0.89
Bromobenzene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Bromochloromethane	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
Bromoform	<4.3	<4.9	<4.7	<4.5	<3.9	<5.4	<4.0	<4.5
Bromomethane	<17	<20	<19	<18	<16	<22	<16	<18
n-Butylbenzene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
sec-Butylbenzene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Carbon disulfide	<8.6	<9.8	<9.4	<9.0	<7.8	<11	<8.0	<8.9
Carbon Tetrachloride	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Chlorobenzene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Chloroethane	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
Chloroform	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Chloromethane	<17	<20	<19	<18	<16	<22	<16	<18
2-Chlorotoluene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
4-Chlorotoluene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
1,2-Dibromo-3-chloropropane	<4.3	<4.9	<4.7	<4.5	<3.9	<5.4	<4.0	<4.5
Dibromochloromethane	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
1,2-Dibromoethane (EDB)	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Dibromomethane	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
1,2-Dichlorobenzene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
1,3-Dichlorobenzene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
1,4-Dichlorobenzene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Dichlorobromomethane	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
1,1-Dichloroethane	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	**1.2**
1,2-Dichloroethane	<0.86	<0.98	<0.94	<0.90	**0.85**	<1.1	<0.80	<0.89
1,1-Dichloroethene	<0.86	<0.98	**3.2**	1.3	<0.78	<1.1	**0.89**	**14**
cis-1,2-Dichloroethene	**0.87**	<0.98	**2.1**	3.2	<0.78	<1.1	<0.80	**3.1**
trans-1,2-Dichloroethene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
1,2-Dichloropropane	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
1,3-Dichloropropane	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
2,2-Dichloropropane	<4.3	<4.9	<4.7	<4.5	<3.9	<5.4	<4.0	<4.5
1,1-Dichloropropene	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
cis-1,3-Dichloropropene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
trans-1,3-Dichloropropene	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
Ethylbenzene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Freon 11 (Trichlorofluoromethane)	<8.6	<9.8	<9.4	<9.0	<7.8	<11	<8.0	<8.9
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<8.6	<9.8	<9.4	<9.0	<7.8	<11	<8.0	<8.9
Freon 12 (Dichlorodifluoromethane)	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
2-Hexanone	<17	<20	<19	<18	<16	<22	<16	<18
Isopropylbenzene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
p-Isopropyltoluene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Methyl Ethyl Ketone	<17	<20	<19	<18	<16	<22	<16	<18
Methyl isobutyl ketone (MIBK)	<17	<20	<19	<18	<16	<22	<16	<18
Methyl Tert-butyl ether (MTBE)	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
Methylene chloride	<8.6	<9.8	<9.4	<9.0	<7.8	<11	<8.0	<8.9
Naphthalene	<8.6	<9.8	<9.4	<9.0	<7.8	<11	<8.0	<8.9
n-Propylbenzene	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
Styrene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
tert-Butylbenzene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
1,1,1,2-Tetrachloroethane	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
1,1,2,2-Tetrachloroethane	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
Tetrachloroethene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Toluene	<0.86	<0.98	<0.94	<0.90	<0.78	**1.8**	<0.80	<0.89
1,2,3-Trichlorobenzene	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
1,2,4-Trichlorobenzene	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
1,1,1-Trichloroethane	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
1,1,2-Trichloroethane	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
Trichloroethene	**4.6**	<2.0	**2.4**	**5.8**	<1.6	<2.2	<1.6	**5.9**
1,2,3-Trichloropropane	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
1,2,4-Trimethylbenzene	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
1,3,5-Trimethylbenzene	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
Vinyl Acetate	<8.6	<9.8	<9.4	<9.0	<7.8	<11	<8.0	<8.9
Vinyl Chloride	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89
m,p-Xylene	<1.7	<2.0	<1.9	<1.8	<1.6	<2.2	<1.6	<1.8
o-Xylene	<0.86	<0.98	<0.94	<0.90	<0.78	<1.1	<0.80	<0.89

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB35	SB35	SB35	SB36	SB36	SB36	SB36	SB37
Sample Depth Interval (ft bgs)	1.5-2.0	7.0-7.5	14.0-14.5	1.5-2.0	7.0-7.5	25.0-25.5	36.5-37.0	1.5-2.0
Sample ID	SB35-1.5-2.0	SB35-7.0-7.5	SB35-14.0-14.5	SB36-1.5-2.0	SB36-7.0-7.5	SB36-25.0-25.5	SB36-36.5-37.0	SB37-1.5-2.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<41	<56	<45	<62	<50	<43	<38	<41
Benzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Bromobenzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Bromochloromethane	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
Bromoform	<4.1	<5.6	<4.5	<6.2	<5.0	<4.3	<3.8	<4.1
Bromomethane	<16	<22	<18	<25	<20	<17	<15	<16
n-Butylbenzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
sec-Butylbenzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Carbon disulfide	<8.1	<11	<9.0	<12	<10	<8.6	<7.6	<8.2
Carbon Tetrachloride	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Chlorobenzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Chloroethane	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
Chloroform	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Chloromethane	<16	<22	<18	<25	<20	<17	<15	<16
2-Chlorotoluene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
4-Chlorotoluene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,2-Dibromo-3-chloropropane	<4.1	<5.6	<4.5	<6.2	<5.0	<4.3	<3.8	<4.1
Dibromochloromethane	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
1,2-Dibromoethane (EDB)	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Dibromomethane	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,2-Dichlorobenzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,3-Dichlorobenzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,4-Dichlorobenzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Dichlorobromomethane	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,1-Dichloroethane	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,2-Dichloroethane	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,1-Dichloroethene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
cis-1,2-Dichloroethene	<0.81	<1.1	**1.0**	<1.2	<1.0	**3.0**	<0.76	<0.82
trans-1,2-Dichloroethene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,2-Dichloropropane	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,3-Dichloropropane	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
2,2-Dichloropropane	<4.1	<5.6	<4.5	<6.2	<5.0	<4.3	<3.8	<4.1
1,1-Dichloropropene	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
cis-1,3-Dichloropropene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
trans-1,3-Dichloropropene	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
Ethylbenzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Freon 11 (Trichlorofluoromethane)	<8.1	<11	<9.0	<12	<10	<8.6	<7.6	<8.2
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<8.1	<11	<9.0	<12	<10	<8.6	<7.6	<8.2
Freon 12 (Dichlorodifluoromethane)	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
2-Hexanone	<16	<22	<18	<25	<20	<17	<15	<16
Isopropylbenzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
p-Isopropyltoluene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Methyl Ethyl Ketone	<16	<22	<18	<25	<20	<17	<15	<16
Methyl isobutyl ketone (MIBK)	<16	<22	<18	<25	<20	<17	<15	<16
Methyl Tert-butyl ether (MTBE)	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
Methylene chloride	<8.1	<11	<9.0	<12	<10	<8.6	<7.6	<8.2
Naphthalene	<8.1	<11	<9.0	<12	<10	<8.6	<7.6	<8.2
n-Propylbenzene	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
Styrene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
tert-Butylbenzene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,1,1,2-Tetrachloroethane	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,1,2,2-Tetrachloroethane	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
Tetrachloroethene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Toluene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,2,3-Trichlorobenzene	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
1,2,4-Trichlorobenzene	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
1,1,1-Trichloroethane	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
1,1,2-Trichloroethane	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
Trichloroethene	<1.6	<2.2	<1.8	<2.5	<2.0	**5.2**	<1.5	<1.6
1,2,3-Trichloropropane	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
1,2,4-Trimethylbenzene	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
1,3,5-Trimethylbenzene	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
Vinyl Acetate	<8.1	<11	<9.0	<12	<10	<8.6	<7.6	<8.2
Vinyl Chloride	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82
m,p-Xylene	<1.6	<2.2	<1.8	<2.5	<2.0	<1.7	<1.5	<1.6
o-Xylene	<0.81	<1.1	<0.90	<1.2	<1.0	<0.86	<0.76	<0.82

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB37	SB37	SB38	SB38	SB38	SB40	SB40	SB40
Sample Depth Interval (ft bgs)	10.5-11.0	13.5-14.0	1.5-2.0	10.5-11.0	31.0-31.5	2.0-2.5	5.0-5.5	10.0-10.5
Sample ID	SB37-10.5-11.0	SB37-13.5-14.0	SB38-1.5-2.0	SB38-10.5-11.0	SB38-31.0-31.5	SB40-2.0-2.5	SB40-5.0-5.5	SB40-10.0-10.5
Sample Date	12/19/10	12/19/10	12/21/10	12/21/10	12/21/10	12/20/10	12/20/10	12/20/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Acetone	<47	<44	<44	<54	<39	<72	<80	<46
Benzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Bromobenzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Bromochloromethane	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
Bromoform	<4.7	<4.4	<4.4	<5.4	<3.9	<7.2	<8.0	<4.6
Bromomethane	<19	<18	<17	<22	<16	<29	<32	<19
n-Butylbenzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
sec-Butylbenzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Carbon disulfide	<9.4	<8.9	<8.7	<11	<7.8	<14	<16	<9.3
Carbon Tetrachloride	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Chlorobenzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Chloroethane	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
Chloroform	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Chloromethane	<19	<18	<17	<22	<16	<29	<32	<19
2-Chlorotoluene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
4-Chlorotoluene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,2-Dibromo-3-chloropropane	<4.7	<4.4	<4.4	<5.4	<3.9	<7.2	<8.0	<4.6
Dibromochloromethane	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
1,2-Dibromoethane (EDB)	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Dibromomethane	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,2-Dichlorobenzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	**1.0**
1,3-Dichlorobenzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,4-Dichlorobenzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Dichlorobromomethane	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,1-Dichloroethane	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,2-Dichloroethane	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,1-Dichloroethene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
cis-1,2-Dichloroethene	<0.94	<0.89	<0.87	<1.1	**6.4**	<1.4	<1.6	<0.93
trans-1,2-Dichloroethene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,2-Dichloropropane	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,3-Dichloropropane	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
2,2-Dichloropropane	<4.7	<4.4	<4.4	<5.4	<3.9	<7.2	<8.0	<4.6
1,1-Dichloropropene	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
cis-1,3-Dichloropropene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
trans-1,3-Dichloropropene	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
Ethylbenzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Freon 11 (Trichlorofluoromethane)	<9.4	<8.9	<8.7	<11	<7.8	<14	<16	<9.3
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroetha	<9.4	<8.9	<8.7	<11	<7.8	<14	<16	<9.3
Freon 12 (Dichlorodifluoromethane)	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
2-Hexanone	<19	<18	<17	<22	<16	<29	<32	<19
Isopropylbenzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
p-Isopropyltoluene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Methyl Ethyl Ketone	<19	<18	<17	<22	<16	<29	<32	<19
Methyl isobutyl ketone (MIBK)	<19	<18	<17	<22	<16	<29	<32	<19
Methyl Tert-butyl ether (MTBE)	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
Methylene chloride	<9.4	<8.9	<8.7	<11	<7.8	<14	<16	<9.3
Naphthalene	<9.4	<8.9	<8.7	<11	<7.8	<14	<16	<9.3
n-Propylbenzene	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
Styrene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
tert-Butylbenzene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,1,1,2-Tetrachloroethane	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,1,2,2-Tetrachloroethane	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
Tetrachloroethene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Toluene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,2,3-Trichlorobenzene	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
1,2,4-Trichlorobenzene	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
1,1,1-Trichloroethane	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
1,1,2-Trichloroethane	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
Trichloroethene	<1.9	<1.8	<1.7	<2.2	**11**	<2.9	<3.2	<1.9
1,2,3-Trichloropropane	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
1,2,4-Trimethylbenzene	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
1,3,5-Trimethylbenzene	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
Vinyl Acetate	<9.4	<8.9	<8.7	<11	<7.8	<14	<16	<9.3
Vinyl Chloride	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93
m,p-Xylene	<1.9	<1.8	<1.7	<2.2	<1.6	<2.9	<3.2	<1.9
o-Xylene	<0.94	<0.89	<0.87	<1.1	<0.78	<1.4	<1.6	<0.93

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB01	SB01	SB01	SB02	SB02	SB02
Sample Depth Interval (ft bgs)	2.0-4.0	12.5-13.0	33.0-35.0	1.0-3.0	14.0-16.0	34.0-36.0
Sample ID	SB01-2.0-4.0	SB01-12.5-13.0	SB01-33.0-35.0	SB02-1.0-3.0	SB02-14.0-16.0	SB02-34.0-36.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.021	<0.027	<0.024	<0.23	<0.026	<0.024
Acenaphthylene	<0.021	<0.027	<0.024	**1.3**	<0.026	<0.024
Anthracene	<0.021	<0.027	<0.024	**0.63**	<0.026	<0.024
Benzo(a)anthracene	**0.023**	**0.050**	<0.024	**3.4**	<0.026	<0.024
Benzo(a)pyrene	**0.034**	**0.092**	<0.024	**5.2**	**0.031**	<0.024
Benzo(b)fluoranthene	**0.030**	**0.061**	<0.024	**3.5**	<0.026	<0.024
Benzo(g,h,i)perylene	**0.040**	**0.070**	<0.024	**5.7**	**0.030**	<0.024
Benzo(k)fluoranthene	**0.023**	**0.063**	<0.024	**3.7**	<0.026	<0.024
Chrysene	**0.036**	**0.064**	<0.024	**4.6**	<0.026	<0.024
Dibenzo(a,h)anthracene	<0.021	<0.027	<0.024	**0.87**	<0.026	<0.024
Fluoranthene	**0.032**	**0.083**	<0.024	**5.0**	<0.026	<0.024
Fluorene	<0.021	<0.027	<0.024	<0.23	<0.026	<0.024
Indeno(1,2,3-c,d)pyrene	**0.024**	**0.054**	<0.024	**4.0**	<0.026	<0.024
1-Methylnaphthalene	<0.021	<0.027	<0.024	**0.26**	<0.026	<0.024
2-Methylnaphthalene	<0.021	<0.027	<0.024	**0.51**	<0.026	<0.024
Naphthalene	<0.021	<0.027	<0.024	**0.92**	<0.026	<0.024
Phenanthrene	<0.021	<0.027	<0.024	**2.3**	<0.026	<0.024
Pyrene	**0.057**	**0.13**	<0.024	**9.5**	**0.039**	<0.024

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB03	SB03	SB03	SB03	SB05	SB05
Sample Depth Interval (ft bgs)	1.0-1.5	14.0-16.0	21.0-23.0	34.0-36.0	2.0-4.0	12.0-14.0
Sample ID	SB03-1.0-1.5	SB03-14.0-16.0	SB03-21.0-23.0	SB03-34.0-36.0	SB05-2.0-4.0	SB05-12.0-14.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.47	<0.028	<0.024	<0.024	<0.021	<0.024
Acenaphthylene	**3.1**	<0.028	<0.024	<0.024	**0.12**	<0.024
Anthracene	**1.5**	<0.028	<0.024	<0.024	**0.064**	<0.024
Benzo(a)anthracene	**7.6**	**0.045**	<0.024	<0.024	**0.27**	<0.024
Benzo(a)pyrene	**13**	**0.15**	<0.024	<0.024	**0.44**	**0.042**
Benzo(b)fluoranthene	**8.6**	**0.12**	<0.024	<0.024	**0.30**	**0.031**
Benzo(g,h,i)perylene	**13**	**0.16**	<0.024	<0.024	**0.55**	**0.042**
Benzo(k)fluoranthene	**8.1**	**0.074**	<0.024	<0.024	**0.33**	**0.026**
Chrysene	**10**	**0.055**	<0.024	<0.024	**0.36**	<0.024
Dibenzo(a,h)anthracene	**2.0**	<0.028	<0.024	<0.024	**0.074**	<0.024
Fluoranthene	**12**	**0.10**	<0.024	<0.024	**0.40**	**0.030**
Fluorene	<0.47	<0.028	<0.024	<0.024	<0.021	<0.024
Indeno(1,2,3-c,d)pyrene	**9.2**	**0.11**	<0.024	<0.024	**0.37**	**0.029**
1-Methylnaphthalene	<0.47	<0.028	<0.024	<0.024	<0.021	<0.024
2-Methylnaphthalene	**0.49**	<0.028	<0.024	<0.024	<0.021	<0.024
Naphthalene	**1.2**	<0.028	<0.024	<0.024	**0.069**	<0.024
Phenanthrene	**4.6**	<0.028	<0.024	<0.024	**0.19**	<0.024
Pyrene	**23**	**0.14**	<0.024	<0.024	**0.75**	**0.031**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB05	SB05	SB08	SB08	SB08	SB09
Sample Depth Interval (ft bgs)	25.0-27.0	36.0-38.0	3.0-5.0	14.0-16.0	17.0-19.0	1.0-5.0
Sample ID	SB05-25.0-27.0	SB05-36.0-38.0	SB08-3.0-5.0	SB08-14.0-16.0	SB08-17.0-19.0	SB09-1.0-5.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.026	<0.025	<0.022	<0.025	<0.023	<0.021
Acenaphthylene	<0.026	<0.025	**0.042**	<0.025	<0.023	<0.021
Anthracene	<0.026	<0.025	**0.025**	<0.025	<0.023	<0.021
Benzo(a)anthracene	<0.026	<0.025	**0.068**	**0.034**	<0.023	<0.021
Benzo(a)pyrene	<0.026	<0.025	**0.11**	**0.10**	<0.023	**0.028**
Benzo(b)fluoranthene	<0.026	<0.025	**0.080**	**0.082**	<0.023	**0.025**
Benzo(g,h,i)perylene	<0.026	<0.025	**0.16**	**0.096**	<0.023	**0.033**
Benzo(k)fluoranthene	<0.026	<0.025	**0.074**	**0.058**	<0.023	<0.021
Chrysene	<0.026	<0.025	**0.083**	**0.030**	<0.023	**0.022**
Dibenzo(a,h)anthracene	<0.026	<0.025	**0.023**	<0.025	<0.023	<0.021
Fluoranthene	<0.026	<0.025	**0.082**	**0.045**	<0.023	**0.022**
Fluorene	<0.026	<0.025	<0.022	<0.025	<0.023	<0.021
Indeno(1,2,3-c,d)pyrene	<0.026	<0.025	**0.10**	**0.068**	<0.023	<0.021
1-Methylnaphthalene	<0.026	<0.025	<0.022	<0.025	<0.023	<0.021
2-Methylnaphthalene	<0.026	<0.025	<0.022	<0.025	<0.023	<0.021
Naphthalene	<0.026	<0.025	<0.022	<0.025	<0.023	<0.021
Phenanthrene	<0.026	<0.025	**0.042**	<0.025	<0.023	<0.021
Pyrene	<0.026	<0.025	**0.13**	**0.092**	<0.023	**0.033**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB09	SB09	SB09	SB09	SB10	SB10
Sample Depth Interval (ft bgs)	13.0-16.0	18.5-20.0	21.0-22.0	32.0-33.5	4.0-5.0	7.5-9.0
Sample ID	SB09-13.0-16.0	SB09-18.5-20.0	SB09-21.0-22.0	SB09-32.0-33.5	SB10-4.0-5.0	SB10-7.5-9.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/19/10	12/19/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.025	<0.025	<0.025	<0.024	<0.022	<0.023
Acenaphthylene	<0.025	<0.025	<0.025	<0.024	<0.022	<0.023
Anthracene	<0.025	<0.025	<0.025	<0.024	<0.022	<0.023
Benzo(a)anthracene	<0.025	<0.025	<0.025	<0.024	<0.022	**0.031**
Benzo(a)pyrene	<0.025	<0.025	**0.029**	<0.024	**0.024**	**0.044**
Benzo(b)fluoranthene	<0.025	<0.025	<0.025	<0.024	<0.022	**0.035**
Benzo(g,h,i)perylene	<0.025	<0.025	**0.029**	<0.024	<0.022	**0.029**
Benzo(k)fluoranthene	<0.025	<0.025	**0.026**	<0.024	<0.022	**0.034**
Chrysene	<0.025	<0.025	**0.029**	<0.024	<0.022	**0.042**
Dibenzo(a,h)anthracene	<0.025	<0.025	<0.025	<0.024	<0.022	<0.023
Fluoranthene	<0.025	<0.025	**0.080**	<0.024	**0.024**	**0.047**
Fluorene	<0.025	<0.025	<0.025	<0.024	<0.022	<0.023
Indeno(1,2,3-c,d)pyrene	<0.025	<0.025	<0.025	<0.024	<0.022	**0.024**
1-Methylnaphthalene	<0.025	<0.025	<0.025	<0.024	<0.022	<0.023
2-Methylnaphthalene	<0.025	<0.025	<0.025	<0.024	<0.022	<0.023
Naphthalene	<0.025	<0.025	<0.025	<0.024	<0.022	<0.023
Phenanthrene	<0.025	<0.025	<0.025	<0.024	<0.022	<0.023
Pyrene	**0.035**	**0.051**	**0.10**	<0.024	**0.031**	**0.057**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB10	SB10	SB10	SB11	SB11	SB11
Sample Depth Interval (ft bgs)	20.0-22.0	24.0-25.5	32.0-33.0	5.0-7.0	9.5-10.1	18.0-20.0
Sample ID	SB10-20.0-22.0	SB10-24.0-25.5	SB10-32.0-33.0	SB11-5.0-7.0	SB11-9.5-10.0	SB11-18.0-20.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.025	<0.025	<0.024	<0.022	<0.023	<0.026
Acenaphthylene	<0.025	<0.025	<0.024	**0.033**	<0.023	<0.026
Anthracene	<0.025	<0.025	<0.024	<0.022	<0.023	<0.026
Benzo(a)anthracene	**0.031**	**0.11**	<0.024	**0.068**	**0.031**	**0.028**
Benzo(a)pyrene	**0.025**	**0.034**	<0.024	**0.10**	**0.044**	**0.053**
Benzo(b)fluoranthene	**0.030**	**0.045**	<0.024	**0.083**	**0.043**	**0.062**
Benzo(g,h,i)perylene	<0.025	<0.025	<0.024	**0.088**	**0.036**	<0.026
Benzo(k)fluoranthene	**0.027**	**0.037**	<0.024	**0.077**	<0.023	**0.052**
Chrysene	**0.036**	**0.099**	<0.024	**0.091**	**0.042**	**0.040**
Dibenzo(a,h)anthracene	<0.025	<0.025	<0.024	<0.022	<0.023	<0.026
Fluoranthene	**0.052**	**0.74**	<0.024	**0.084**	**0.037**	**0.056**
Fluorene	<0.025	<0.025	<0.024	<0.022	<0.023	<0.026
Indeno(1,2,3-c,d)pyrene	<0.025	<0.025	<0.024	**0.065**	**0.024**	<0.026
1-Methylnaphthalene	<0.025	<0.025	<0.024	<0.022	<0.023	<0.026
2-Methylnaphthalene	<0.025	<0.025	<0.024	<0.022	<0.023	<0.026
Naphthalene	<0.025	<0.025	<0.024	<0.022	<0.023	<0.026
Phenanthrene	<0.025	<0.025	<0.024	**0.024**	<0.023	<0.026
Pyrene	**0.13**	**0.68**	<0.024	**0.12**	**0.053**	**0.23**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB13	SB13	SB13	SB14	SB14	SB14
Sample Depth Interval (ft bgs)	1.0-3.5	14.0-16.0	19.0-23.0	3.0-5.0	12.5-14.0	15.0-16.5
Sample ID	SB13-1.0-3.5	SB13-14.0-16.0	SB13-19.0-23.0	SB14-3.0-5.0	SB14-12.5-14.0	SB14-15.0-16.5
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.022	<0.025	<0.023	<0.022	<0.026	<0.026
Acenaphthylene	**0.048**	<0.025	<0.023	<0.022	<0.026	<0.026
Anthracene	**0.043**	<0.025	<0.023	<0.022	<0.026	<0.026
Benzo(a)anthracene	**0.072**	**0.026**	<0.023	<0.022	**0.076**	<0.026
Benzo(a)pyrene	**0.078**	**0.059**	<0.023	<0.022	**0.15**	<0.026
Benzo(b)fluoranthene	**0.072**	**0.041**	<0.023	<0.022	**0.11**	<0.026
Benzo(g,h,i)perylene	**0.17**	**0.049**	<0.023	<0.022	**0.12**	<0.026
Benzo(k)fluoranthene	**0.057**	**0.037**	<0.023	<0.022	**0.088**	<0.026
Chrysene	**0.10**	**0.027**	<0.023	<0.022	**0.086**	<0.026
Dibenzo(a,h)anthracene	<0.022	<0.025	<0.023	<0.022	<0.026	<0.026
Fluoranthene	**0.13**	**0.046**	<0.023	<0.022	**0.17**	<0.026
Fluorene	<0.022	<0.025	<0.023	<0.022	<0.026	<0.026
Indeno(1,2,3-c,d)pyrene	**0.057**	**0.037**	<0.023	<0.022	**0.089**	<0.026
1-Methylnaphthalene	<0.022	<0.025	<0.023	<0.022	<0.026	<0.026
2-Methylnaphthalene	<0.022	<0.025	<0.023	<0.022	<0.026	<0.026
Naphthalene	<0.022	**0.052**	<0.023	<0.022	<0.026	<0.026
Phenanthrene	**0.10**	<0.025	<0.023	<0.022	<0.026	<0.026
Pyrene	**0.17**	**0.12**	<0.023	<0.022	**0.33**	<0.026

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB14	SB15	SB15	SB15	SB16	SB16
Sample Depth Interval (ft bgs)	16.5-17.5	3.0-5.0	12.0-14.0	16.0-18.0	4.0-6.0	16.0-18.0
Sample ID	SB14-16.5-17.5	SB15-3.0-5.0	SB15-12.0-14.0	SB15-16.0-18.0	SB16-4.0-6.0	SB16-16.0-18.0
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.026	<0.020	<0.025	<0.024	<0.022	<0.024
Acenaphthylene	**0.029**	<0.020	<0.025	<0.024	<0.022	<0.024
Anthracene	<0.026	<0.020	<0.025	<0.024	<0.022	<0.024
Benzo(a)anthracene	**0.12**	<0.020	<0.025	<0.024	<0.022	<0.024
Benzo(a)pyrene	**0.24**	<0.020	<0.025	**0.035**	<0.022	<0.024
Benzo(b)fluoranthene	**0.16**	<0.020	<0.025	**0.036**	<0.022	<0.024
Benzo(g,h,i)perylene	**0.19**	<0.020	<0.025	**0.029**	<0.022	<0.024
Benzo(k)fluoranthene	**0.15**	<0.020	<0.025	<0.024	<0.022	<0.024
Chrysene	**0.14**	<0.020	<0.025	<0.024	<0.022	<0.024
Dibenzo(a,h)anthracene	<0.026	<0.020	<0.025	<0.024	<0.022	<0.024
Fluoranthene	**0.25**	<0.020	<0.025	**0.030**	<0.022	**0.025**
Fluorene	<0.026	<0.020	<0.025	<0.024	<0.022	<0.024
Indeno(1,2,3-c,d)pyrene	**0.14**	<0.020	<0.025	<0.024	<0.022	<0.024
1-Methylnaphthalene	<0.026	<0.020	<0.025	<0.024	<0.022	<0.024
2-Methylnaphthalene	<0.026	<0.020	<0.025	<0.024	<0.022	<0.024
Naphthalene	<0.026	<0.020	<0.025	<0.024	<0.022	<0.024
Phenanthrene	**0.026**	<0.020	<0.025	<0.024	<0.022	<0.024
Pyrene	**0.45**	<0.020	<0.025	**0.055**	<0.022	**0.042**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB18	SB18	SB18	SB18	SB18	SB18
Sample Depth Interval (ft bgs)	1.0-3.0	3.0-5.0	8.0-9.0	12.0-13.5	22.0-24.0	27.5-29.0
Sample ID	SB18-1.0-3.0	SB18-3.0-5.0	SB18-8.0-9.0	SB18-12.0-13.5	SB18-22.0-24.0	SB18-27.5-29.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	**0.58**	**0.85**	<0.11	<0.11	<0.023	<0.025
Acenaphthylene	<0.22	**0.55**	**0.20**	<0.11	<0.023	<0.025
Anthracene	**0.39**	**1.7**	**0.23**	<0.11	<0.023	<0.025
Benzo(a)anthracene	**0.60**	**2.7**	**0.60**	**0.18**	<0.023	<0.025
Benzo(a)pyrene	**0.65**	**2.6**	**0.66**	**0.18**	<0.023	<0.025
Benzo(b)fluoranthene	**0.36**	**1.1**	**0.52**	<0.11	<0.023	<0.025
Benzo(g,h,i)perylene	**0.60**	**1.7**	**0.55**	**0.16**	<0.023	<0.025
Benzo(k)fluoranthene	**0.25**	<0.46	**0.35**	<0.11	<0.023	<0.025
Chrysene	**1.1**	**5.1**	**0.85**	**0.30**	<0.023	<0.025
Dibenzo(a,h)anthracene	<0.22	<0.46	<0.11	<0.11	<0.023	<0.025
Fluoranthene	**0.56**	**1.9**	**1.0**	**0.18**	<0.023	<0.025
Fluorene	**0.56**	<0.46	<0.11	<0.11	<0.023	<0.025
Indeno(1,2,3-c,d)pyrene	**0.34**	**0.60**	**0.36**	<0.11	<0.023	<0.025
1-Methylnaphthalene	**3.5**	**0.52**	**0.25**	<0.11	<0.023	<0.025
2-Methylnaphthalene	**0.44**	<0.46	<0.11	<0.11	<0.023	<0.025
Naphthalene	<0.22	<0.46	**0.11**	<0.11	<0.023	<0.025
Phenanthrene	**2.1**	**7.9**	**1.8**	**0.56**	<0.023	<0.025
Pyrene	**1.8**	**10**	**2.1**	**0.83**	<0.023	<0.025

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB19	SB19	SB19	SB21	SB21	SB21
Sample Depth Interval (ft bgs)	15.5-16.0	18.0-20.0	22.0-25.0	3.0-5.0	13.0-14.5	20.5-22.0
Sample ID	SB19-15.5-16.0	SB19-18.0-20.0	SB19-22.0-25.0	SB21-3.0-5.0	SB21-13.0-14.5	SB21-20.5-22.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.024	<0.025	<0.025	<0.023	<0.025	<0.024
Acenaphthylene	<0.024	<0.025	<0.025	**0.075**	<0.025	<0.024
Anthracene	<0.024	<0.025	<0.025	**0.049**	<0.025	<0.024
Benzo(a)anthracene	**0.059**	<0.025	<0.025	**0.16**	<0.025	<0.024
Benzo(a)pyrene	**0.064**	<0.025	<0.025	**0.28**	**0.063**	<0.024
Benzo(b)fluoranthene	**0.035**	<0.025	<0.025	**0.22**	**0.050**	<0.024
Benzo(g,h,i)perylene	**0.034**	<0.025	<0.025	**0.36**	**0.068**	<0.024
Benzo(k)fluoranthene	**0.049**	<0.025	<0.025	**0.17**	**0.037**	<0.024
Chrysene	**0.072**	<0.025	<0.025	**0.21**	**0.026**	<0.024
Dibenzo(a,h)anthracene	<0.024	<0.025	<0.025	**0.039**	<0.025	<0.024
Fluoranthene	**0.082**	<0.025	<0.025	**0.30**	**0.040**	<0.024
Fluorene	<0.024	<0.025	**0.031**	<0.023	<0.025	<0.024
Indeno(1,2,3-c,d)pyrene	**0.029**	<0.025	<0.025	**0.24**	**0.047**	<0.024
1-Methylnaphthalene	<0.024	<0.025	<0.025	<0.023	<0.025	<0.024
2-Methylnaphthalene	<0.024	<0.025	<0.025	<0.023	<0.025	<0.024
Naphthalene	<0.024	<0.025	<0.025	**0.028**	<0.025	<0.024
Phenanthrene	<0.024	<0.025	<0.025	**0.17**	<0.025	<0.024
Pyrene	**0.11**	<0.025	**0.027**	**0.45**	**0.060**	<0.024

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB21	SB22	SB22	SB22	SB22	SB26
Sample Depth Interval (ft bgs)	28.0-30.0	4.0-6.0	9.5-10.5	16.0-18.0	21.0-23.0	2.0-4.0
Sample ID	SB21-28.0-30.0	SB22-4.0-6.0	SB22-9.5-10.5	SB22-16.0-18.0	SB22-21.0-23.0	SB26-2.5-4.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/19/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.023	<0.022	<0.025	<0.024	<0.024	<0.021
Acenaphthylene	<0.023	**0.032**	<0.025	<0.024	<0.024	<0.021
Anthracene	<0.023	<0.022	<0.025	<0.024	<0.024	<0.021
Benzo(a)anthracene	<0.023	**0.068**	<0.025	<0.024	<0.024	**0.043**
Benzo(a)pyrene	<0.023	**0.10**	<0.025	<0.024	<0.024	**0.072**
Benzo(b)fluoranthene	<0.023	**0.054**	<0.025	<0.024	<0.024	**0.063**
Benzo(g,h,i)perylene	<0.023	**0.081**	<0.025	<0.024	<0.024	**0.073**
Benzo(k)fluoranthene	<0.023	**0.083**	<0.025	<0.024	<0.024	**0.044**
Chrysene	<0.023	**0.096**	<0.025	<0.024	<0.024	0.059
Dibenzo(a,h)anthracene	<0.023	<0.022	<0.025	<0.024	<0.024	<0.021
Fluoranthene	<0.023	**0.094**	<0.025	<0.024	<0.024	**0.16**
Fluorene	<0.023	<0.022	<0.025	<0.024	<0.024	<0.021
Indeno(1,2,3-c,d)pyrene	<0.023	**0.064**	<0.025	<0.024	<0.024	**0.049**
1-Methylnaphthalene	<0.023	<0.022	<0.025	<0.024	<0.024	<0.021
2-Methylnaphthalene	<0.023	<0.022	<0.025	<0.024	<0.024	<0.021
Naphthalene	<0.023	<0.022	<0.025	<0.024	<0.024	<0.021
Phenanthrene	<0.023	<0.022	<0.025	<0.024	<0.024	**0.056**
Pyrene	<0.023	**0.12**	<0.025	**0.025**	<0.024	**0.14**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB26	SB26	SB26	SB28	SB28	SB28
Sample Depth Interval (ft bgs)	8.0-10.0	14.0-16.0	24.0-26.0	3.0-5.0	15.5-17.0	19.5-21.5
Sample ID	SB26-8.0-10.0	SB26-14.0-16.0	SB26-24.0-26.0	SB28-3.0-5.0	SB28-15.5-17.0	SB28-19.5-21.5
Sample Date	12/19/10	12/19/10	12/19/10	12/20/10	12/20/10	12/20/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.024	<0.025	<0.023	<0.021	<0.024	<0.025
Acenaphthylene	<0.024	<0.025	<0.023	<0.021	<0.024	<0.025
Anthracene	<0.024	<0.025	<0.023	<0.021	<0.024	<0.025
Benzo(a)anthracene	<0.024	<0.025	<0.023	<0.021	<0.024	<0.025
Benzo(a)pyrene	<0.024	**0.072**	<0.023	<0.021	<0.024	<0.025
Benzo(b)fluoranthene	<0.024	**0.052**	<0.023	<0.021	<0.024	<0.025
Benzo(g,h,i)perylene	<0.024	**0.063**	<0.023	<0.021	<0.024	<0.025
Benzo(k)fluoranthene	<0.024	**0.036**	<0.023	<0.021	<0.024	<0.025
Chrysene	<0.024	**0.025**	<0.023	<0.021	<0.024	<0.025
Dibenzo(a,h)anthracene	<0.024	<0.025	<0.023	<0.021	<0.024	<0.025
Fluoranthene	0.024	**0.083**	<0.023	**0.026**	<0.024	<0.025
Fluorene	<0.024	<0.025	<0.023	<0.021	<0.024	<0.025
Indeno(1,2,3-c,d)pyrene	<0.024	**0.049**	<0.023	<0.021	<0.024	<0.025
1-Methylnaphthalene	<0.024	<0.025	<0.023	<0.021	<0.024	<0.025
2-Methylnaphthalene	<0.024	<0.025	<0.023	<0.021	<0.024	<0.025
Naphthalene	<0.024	<0.025	<0.023	<0.021	<0.024	<0.025
Phenanthrene	<0.024	<0.025	<0.023	<0.021	<0.024	<0.025
Pyrene	0.026	**0.074**	<0.023	**0.026**	<0.024	<0.025

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB28	SB29	SB29	SB29	SB29	SB29
Sample Depth Interval (ft bgs)	23.0-25.0	1.0-3.0	3.0-5.0	13.0-15.5	16.5-17.0	21.0-24.0
Sample ID	SB28-23.0-25.0	SB29-1.0-3.0	SB29-3.0-5.0	SB29-13.0-15.5	SB29-16.5-17.0	SB29-21.0-24.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.023	<0.23	<0.022	<0.026	<0.045	<0.024
Acenaphthylene	<0.023	<0.23	**0.050**	<0.026	**0.065**	<0.024
Anthracene	<0.023	<0.23	<0.022	<0.026	<0.045	<0.024
Benzo(a)anthracene	<0.023	<0.23	**0.054**	**0.032**	**0.093**	<0.024
Benzo(a)pyrene	<0.023	**0.39**	**0.18**	**0.089**	**0.32**	<0.024
Benzo(b)fluoranthene	<0.023	**0.27**	**0.10**	**0.059**	**0.21**	<0.024
Benzo(g,h,i)perylene	<0.023	**0.60**	**0.17**	**0.077**	**0.24**	<0.024
Benzo(k)fluoranthene	<0.023	<0.23	**0.097**	**0.058**	**0.14**	<0.024
Chrysene	<0.023	**0.32**	**0.077**	**0.040**	**0.18**	<0.024
Dibenzo(a,h)anthracene	<0.023	<0.23	**0.022**	<0.026	<0.045	<0.024
Fluoranthene	<0.023	<0.23	**0.047**	**0.066**	**0.058**	<0.024
Fluorene	<0.023	<0.23	<0.022	<0.026	<0.045	<0.024
Indeno(1,2,3-c,d)pyrene	<0.023	<0.23	**0.11**	**0.058**	**0.16**	<0.024
1-Methylnaphthalene	<0.023	<0.23	<0.022	<0.026	<0.045	<0.024
2-Methylnaphthalene	<0.023	<0.23	<0.022	<0.026	<0.045	<0.024
Naphthalene	<0.023	<0.23	<0.022	<0.026	<0.045	<0.024
Phenanthrene	<0.023	<0.23	<0.022	<0.026	<0.045	<0.024
Pyrene	<0.023	**0.38**	**0.11**	**0.19**	**0.21**	<0.024

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB29	SB30	SB30	SB30	SB30	SB31
Sample Depth Interval (ft bgs)	25.0-26.5	3.0-5.0	13.0-15.0	18.0-20.0	26.0-28.0	3.0-5.0
Sample ID	SB29-25.0-26.5	SB30-3.0-5.0	SB30-13.0-15.0	SB30-18.0-20.0	SB30-26.0-28.0	SB31-3.0-5.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/21/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Acenaphthylene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Anthracene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Benzo(a)anthracene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Benzo(a)pyrene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Benzo(b)fluoranthene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Benzo(g,h,i)perylene	<0.023	<0.021	<0.022	<0.023	<0.025	**0.023**
Benzo(k)fluoranthene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Chrysene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Dibenzo(a,h)anthracene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Fluoranthene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Fluorene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Indeno(1,2,3-c,d)pyrene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
1-Methylnaphthalene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
2-Methylnaphthalene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Naphthalene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Phenanthrene	<0.023	<0.021	<0.022	<0.023	<0.025	<0.022
Pyrene	<0.023	<0.021	<0.022	<0.023	<0.025	**0.025**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB31	SB31	SB31	SB32	SB32	SB32
Sample Depth Interval (ft bgs)	24.5-25.5	26.0-30.0	30.0-34.0	4.0-5.0	12.0-15.0	15.0-16.0
Sample ID	SB31-24.5-25.5	SB31-26.0-30.0	SB31-30.0-34.0	SB32-4.0-5.0	SB32-12.0-15.0	SB32-15.0-16.0
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.025	<0.024	<0.026	<0.022	<1.2	<0.48
Acenaphthylene	<0.025	<0.024	<0.026	**0.026**	**2.6**	<0.48
Anthracene	<0.025	<0.024	<0.026	<0.022	**2.7**	<0.48
Benzo(a)anthracene	<0.025	<0.024	<0.026	**0.060**	**11**	**1.6**
Benzo(a)pyrene	<0.025	<0.024	<0.026	**0.10**	**14**	**2.2**
Benzo(b)fluoranthene	<0.025	<0.024	<0.026	**0.075**	**7.8**	**1.4**
Benzo(g,h,i)perylene	<0.025	<0.024	<0.026	**0.11**	**10**	**1.6**
Benzo(k)fluoranthene	<0.025	<0.024	<0.026	**0.080**	**11**	**1.7**
Chrysene	<0.025	<0.024	<0.026	**0.082**	**14**	**1.7**
Dibenzo(a,h)anthracene	<0.025	<0.024	<0.026	<0.022	**1.4**	<0.48
Fluoranthene	<0.025	<0.024	<0.026	**0.094**	**23**	**3.6**
Fluorene	<0.025	<0.024	<0.026	<0.022	<1.2	<0.48
Indeno(1,2,3-c,d)pyrene	<0.025	<0.024	<0.026	**0.080**	**7.4**	**1.2**
1-Methylnaphthalene	<0.025	<0.024	<0.026	<0.022	<1.2	<0.48
2-Methylnaphthalene	<0.025	<0.024	<0.026	<0.022	<1.2	<0.48
Naphthalene	<0.025	<0.024	<0.026	<0.022	**2.6**	<0.48
Phenanthrene	<0.025	<0.024	<0.026	**0.049**	**12**	<0.48
Pyrene	<0.025	<0.024	<0.026	**0.15**	**40**	**6.7**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB32	SB33	SB33	SB33	SB33	SB34
Sample Depth Interval (ft bgs)	28.0-30.0	1.0-3.0	15.5-16.5	25.0-27.0	37.0-39.0	1.0-3.0
Sample ID	SB32-28.0-30.0	SB33-1.0-3.0	SB33-15.5-16.5	SB33-25.0-27.0	SB33-37.0-39.0	SB34-1.0-3.0
Sample Date	12/21/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.024	<0.022	<0.025	<0.025	<0.023	<0.21
Acenaphthylene	<0.024	<0.022	<0.025	<0.025	<0.023	**0.94**
Anthracene	<0.024	<0.022	<0.025	<0.025	<0.023	**0.41**
Benzo(a)anthracene	<0.024	**0.034**	<0.025	<0.025	<0.023	**1.9**
Benzo(a)pyrene	<0.024	**0.096**	<0.025	<0.025	<0.023	**2.9**
Benzo(b)fluoranthene	<0.024	**0.078**	<0.025	<0.025	<0.023	**1.9**
Benzo(g,h,i)perylene	<0.024	**0.12**	<0.025	<0.025	<0.023	**2.9**
Benzo(k)fluoranthene	<0.024	**0.041**	<0.025	<0.025	<0.023	**2.2**
Chrysene	<0.024	**0.054**	<0.025	<0.025	<0.023	**2.6**
Dibenzo(a,h)anthracene	<0.024	<0.022	<0.025	<0.025	<0.023	**0.36**
Fluoranthene	<0.024	**0.10**	<0.025	<0.025	<0.023	**2.1**
Fluorene	<0.024	<0.022	<0.025	<0.025	<0.023	<0.21
Indeno(1,2,3-c,d)pyrene	<0.024	**0.079**	<0.025	<0.025	<0.023	**2.0**
1-Methylnaphthalene	<0.024	<0.022	<0.025	<0.025	<0.023	<0.21
2-Methylnaphthalene	<0.024	<0.022	<0.025	<0.025	<0.023	<0.21
Naphthalene	<0.024	<0.022	<0.025	<0.025	<0.023	**0.36**
Phenanthrene	<0.024	**0.033**	<0.025	<0.025	<0.023	**0.70**
Pyrene	<0.024	**0.14**	<0.025	**0.026**	<0.023	**4.7**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB34	SB34	SB35	SB35	SB35	SB36
Sample Depth Interval (ft bgs)	14.0-16.0	24.0-26.0	1.0-3.0	7.0-8.5	14.0-18.0	1.0-4.0
Sample ID	SB34-14.0-16.0	SB34-24.0-26.0	SB35-1.0-3.0	SB35-7.0-8.5	SB35-14.0-18.0	SB36-1.0-4.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.025	<0.024	<0.21	<0.022	<0.025	<0.21
Acenaphthylene	<0.025	<0.024	**0.44**	**0.044**	<0.025	**1.5**
Anthracene	<0.025	<0.024	**0.23**	<0.022	<0.025	**0.94**
Benzo(a)anthracene	**0.033**	<0.024	**0.69**	**0.10**	**0.045**	**3.1**
Benzo(a)pyrene	**0.11**	<0.024	**1.1**	**0.18**	**0.12**	**5.4**
Benzo(b)fluoranthene	**0.092**	<0.024	**0.84**	**0.17**	**0.11**	**3.8**
Benzo(g,h,i)perylene	**0.094**	<0.024	**1.4**	**0.17**	**0.10**	**5.3**
Benzo(k)fluoranthene	**0.062**	<0.024	**0.84**	**0.086**	**0.060**	**3.7**
Chrysene	**0.040**	<0.024	**0.98**	**0.15**	**0.049**	**4.3**
Dibenzo(a,h)anthracene	<0.025	<0.024	<0.21	<0.022	<0.025	**0.67**
Fluoranthene	**0.063**	<0.024	**1.1**	**0.17**	**0.075**	**7.1**
Fluorene	<0.025	<0.024	<0.21	<0.022	<0.025	<0.21
Indeno(1,2,3-c,d)pyrene	**0.067**	<0.024	**0.95**	**0.12**	**0.073**	**3.7**
1-Methylnaphthalene	<0.025	<0.024	<0.21	<0.022	<0.025	<0.21
2-Methylnaphthalene	<0.025	<0.024	<0.21	<0.022	<0.025	<0.21
Naphthalene	<0.025	<0.024	<0.21	<0.022	<0.025	**0.63**
Phenanthrene	<0.025	<0.024	**0.56**	**0.10**	<0.025	**3.2**
Pyrene	**0.12**	<0.024	**1.8**	**0.28**	**0.18**	**10**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB36	SB36	SB36	SB37	SB37	SB37
Sample Depth Interval (ft bgs)	7.0-9.0	24.0-25.0	35.0-36.5	1.0-3.0	10.0-12.0	13.0-15.0
Sample ID	SB36-7.0-9.0	SB36-24.0-25.0	SB36-35.0-36.5	SB37-1.0-3.0	SB37-10.0-12.0	SB37-13.0-15.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.023	<0.024	<0.023	<0.021	<0.025	<0.026
Acenaphthylene	**0.084**	<0.024	<0.023	**0.23**	<0.025	<0.026
Anthracene	**0.041**	<0.024	<0.023	**0.096**	<0.025	<0.026
Benzo(a)anthracene	**0.12**	<0.024	<0.023	**0.30**	**0.027**	<0.026
Benzo(a)pyrene	**0.23**	<0.024	<0.023	**0.59**	**0.080**	**0.048**
Benzo(b)fluoranthene	**0.17**	<0.024	<0.023	**0.44**	**0.064**	**0.037**
Benzo(g,h,i)perylene	**0.25**	<0.024	<0.023	**0.61**	**0.068**	**0.043**
Benzo(k)fluoranthene	**0.16**	<0.024	<0.023	**0.35**	**0.045**	**0.028**
Chrysene	**0.18**	<0.024	<0.023	**0.43**	**0.033**	<0.026
Dibenzo(a,h)anthracene	**0.029**	<0.024	<0.023	**0.082**	<0.025	<0.026
Fluoranthene	**0.22**	**0.040**	<0.023	**0.40**	**0.057**	**0.045**
Fluorene	<0.023	<0.024	<0.023	<0.021	<0.025	<0.026
Indeno(1,2,3-c,d)pyrene	**0.18**	<0.024	<0.023	**0.42**	**0.046**	**0.028**
1-Methylnaphthalene	<0.023	<0.024	<0.023	<0.021	<0.025	<0.026
2-Methylnaphthalene	<0.023	<0.024	<0.023	**0.027**	<0.025	<0.026
Naphthalene	**0.034**	<0.024	<0.023	**0.074**	<0.025	<0.026
Phenanthrene	**0.10**	<0.024	<0.023	**0.19**	<0.025	<0.026
Pyrene	**0.38**	**0.059**	<0.023	**0.76**	**0.083**	**0.053**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 7
Summary of Soil Sample Analytical Results
PAHs

Boring ID	SB38	SB38	SB38	SB40	SB40	SB40
Sample Depth Interval (ft bgs)	1.0-3.0	10.0-12.0	30.0-32.0	2.0-3.0	5.0-6.5	10.0-11.5
Sample ID	SB38-1.0-3.0	SB38-10.0-12.0	SB38-30.0-32.0	SB40-2.0-3.0	SB40-5.0-6.5	SB40-10.0-11.5
Sample Date	12/21/10	12/21/10	12/21/10	12/20/10	12/20/10	12/20/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.46	<0.024	<0.024	<0.045	<0.022	<0.024
Acenaphthylene	**2.1**	<0.024	<0.024	<0.045	<0.022	<0.024
Anthracene	**1.9**	<0.024	<0.024	<0.045	<0.022	<0.024
Benzo(a)anthracene	**5.8**	<0.024	<0.024	**0.081**	**0.033**	**0.047**
Benzo(a)pyrene	**11**	<0.024	<0.024	**0.087**	**0.033**	**0.044**
Benzo(b)fluoranthene	**5.8**	<0.024	<0.024	**0.081**	**0.023**	**0.026**
Benzo(g,h,i)perylene	**7.8**	<0.024	<0.024	**0.097**	**0.024**	**<0.024**
Benzo(k)fluoranthene	**6.5**	<0.024	<0.024	**0.072**	**0.027**	**0.037**
Chrysene	**7.6**	<0.024	<0.024	**0.10**	**0.041**	**0.052**
Dibenzo(a,h)anthracene	**1.1**	<0.024	<0.024	<0.045	<0.022	<0.024
Fluoranthene	**12**	<0.024	<0.024	**0.12**	**0.070**	**0.079**
Fluorene	**0.59**	<0.024	<0.024	<0.045	<0.022	<0.024
Indeno(1,2,3-c,d)pyrene	**5.7**	<0.024	<0.024	**0.062**	<0.022	<0.024
1-Methylnaphthalene	**0.68**	<0.024	<0.024	<0.045	<0.022	<0.024
2-Methylnaphthalene	**0.47**	<0.024	<0.024	<0.045	<0.022	<0.024
Naphthalene	**1.5**	<0.024	<0.024	<0.045	<0.022	<0.024
Phenanthrene	**8.3**	<0.024	<0.024	**0.068**	**0.059**	<0.024
Pyrene	**23**	<0.024	<0.024	**0.14**	**0.082**	**0.090**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB01	SB01	SB01	SB02	SB02	SB02
Sample Depth Interval (ft bgs)	2.0-4.0	12.5-13.0	33.0-35.0	1.0-3.0	14.0-16.0	34.0-36.0
Sample ID	SB01-2.0-4.0	SB01-12.5-13.0	SB01-33.0-35.0	SB02-1.0-3.0	SB02-14.0-16.0	SB02-34.0-36.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<53	<68	<60	<57	<66	<60
Aroclor 1221	<53	<68	<60	<57	<66	<60
Aroclor 1232	<53	<68	<60	<57	<66	<60
Aroclor 1242	<53	<68	<60	<57	<66	<60
Aroclor 1248	<53	<68	<60	<57	<66	<60
Aroclor 1254	<53	<68	<60	<57	<66	<60
Aroclor 1260	<53	<68	<60	<57	<66	<60
Aroclor 1262	<53	<68	<60	<57	<66	<60
Aroclor 5460	<53	<68	<60	<57	<66	<60

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB03	SB03	SB03	SB03	SB05	SB05
Sample Depth Interval (ft bgs)	1.0-1.5	14.0-16.0	21.0-23.0	34.0-36.0	2.0-4.0	12.0-14.0
Sample ID	SB03-1.0-1.5	SB03-14.0-16.0	SB03-21.0-23.0	SB03-34.0-36.0	SB05-2.0-4.0	SB05-12.0-14.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<58	<71	<59	<59	<53	<59
Aroclor 1221	<58	<71	<59	<59	<53	<59
Aroclor 1232	<58	<71	<59	<59	<53	<59
Aroclor 1242	<58	<71	<59	<59	<53	<59
Aroclor 1248	<58	<71	<59	<59	<53	<59
Aroclor 1254	<58	<71	<59	<59	<53	<59
Aroclor 1260	<58	<71	<59	<59	<53	<59
Aroclor 1262	<58	<71	<59	<59	<53	<59
Aroclor 5460	<58	<71	<59	<59	<53	<59

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB05	SB05	SB08	SB08	SB08	SB09
Sample Depth Interval (ft bgs)	25.0-27.0	36.0-38.0	3.0-5.0	14.0-16.0	17.0-19.0	1.0-5.0
Sample ID	SB05-25.0-27.0	SB05-36.0-38.0	SB08-3.0-5.0	SB08-14.0-16.0	SB08-17.0-19.0	SB09-1.0-5.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<64	<61	<55	<64	<57	<53
Aroclor 1221	<64	<61	<55	<64	<57	<53
Aroclor 1232	<64	<61	<55	<64	<57	<53
Aroclor 1242	<64	<61	<55	<64	<57	<53
Aroclor 1248	<64	<61	<55	<64	<57	<53
Aroclor 1254	<64	<61	<55	<64	<57	<53
Aroclor 1260	<64	<61	<55	<64	<57	<53
Aroclor 1262	<64	<61	<55	<64	<57	<53
Aroclor 5460	<64	<61	**390**	<64	<57	<53

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB09	SB09	SB09	SB09	SB10	SB10
Sample Depth Interval (ft bgs)	13.0-16.0	18.5-20.0	21.0-22.0	32.0-33.5	4.0-5.0	7.5-9.0
Sample ID	SB09-13.0-16.0	SB09-18.5-20.0	SB09-21.0-22.0	SB09-32.0-33.5	SB10-4.0-5.0	SB10-7.5-9.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/19/10	12/19/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<62	<62	<62	<59	<55	<57
Aroclor 1221	<62	<62	<62	<59	<55	<57
Aroclor 1232	<62	<62	<62	<59	<55	<57
Aroclor 1242	<62	<62	<62	<59	<55	<57
Aroclor 1248	<62	<62	<62	<59	<55	<57
Aroclor 1254	<62	<62	<62	<59	<55	<57
Aroclor 1260	<62	<62	<62	<59	<55	<57
Aroclor 1262	<62	<62	<62	<59	<55	<57
Aroclor 5460	<62	<62	<62	<59	<55	<57

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB10	SB10	SB10	SB11	SB11	SB11
Sample Depth Interval (ft bgs)	20.0-22.0	24.0-25.5	32.0-33.0	5.0-7.0	9.5-10.1	18.0-20.0
Sample ID	SB10-20.0-22.0	SB10-24.0-25.5	SB10-32.0-33.0	SB11-5.0-7.0	SB11-9.5-10.0	SB11-18.0-20.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<63	<62	<60	<54	<57	<64
Aroclor 1221	<63	<62	<60	<54	<57	<64
Aroclor 1232	<63	<62	<60	<54	<57	<64
Aroclor 1242	<63	<62	<60	<54	<57	<64
Aroclor 1248	<63	<62	<60	<54	<57	<64
Aroclor 1254	<63	<62	<60	<54	<57	<64
Aroclor 1260	<63	<62	<60	<54	<57	<64
Aroclor 1262	<63	<62	<60	<54	<57	<64
Aroclor 5460	<63	<62	<60	<54	<57	<64

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB13	SB13	SB13	SB14	SB14	SB14
Sample Depth Interval (ft bgs)	1.0-3.5	14.0-16.0	19.0-23.0	3.0-5.0	12.5-14.0	15.0-16.5
Sample ID	SB13-1.0-3.5	SB13-14.0-16.0	SB13-19.0-23.0	SB14-3.0-5.0	SB14-12.5-14.0	SB14-15.0-16.5
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<54	<63	<58	<54	<65	<64
Aroclor 1221	<54	<63	<58	<54	<65	<64
Aroclor 1232	<54	<63	<58	<54	<65	<64
Aroclor 1242	<54	<63	<58	<54	<65	<64
Aroclor 1248	<54	<63	<58	<54	<65	<64
Aroclor 1254	<54	<63	<58	<54	<65	<64
Aroclor 1260	<54	<63	<58	<54	<65	<64
Aroclor 1262	<54	<63	<58	<54	<65	<64
Aroclor 5460	<54	<63	<58	<54	<65	<64

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB14	SB15	SB15	SB15	SB16	SB16
Sample Depth Interval (ft bgs)	16.5-17.5	3.0-5.0	12.0-14.0	16.0-18.0	4.0-6.0	16.0-18.0
Sample ID	SB14-16.5-17.5	SB15-3.0-5.0	SB15-12.0-14.0	SB15-16.0-18.0	SB16-4.0-6.0	SB16-16.0-18.0
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<65	<51	<63	<59	<56	<60
Aroclor 1221	<65	<51	<63	<59	<56	<60
Aroclor 1232	<65	<51	<63	<59	<56	<60
Aroclor 1242	<65	<51	<63	<59	<56	<60
Aroclor 1248	<65	<51	<63	<59	<56	<60
Aroclor 1254	<65	<51	<63	<59	<56	<60
Aroclor 1260	<65	<51	<63	<59	<56	<60
Aroclor 1262	<65	<51	<63	<59	<56	<60
Aroclor 5460	<65	<51	<63	<59	<56	<60

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB18	SB18	SB18	SB18	SB18	SB18
Sample Depth Interval (ft bgs)	1.0-3.0	3.0-5.0	8.0-9.0	12.0-13.5	22.0-24.0	27.5-29.0
Sample ID	SB18-1.0-3.0	SB18-3.0-5.0	SB18-8.0-9.0	SB18-12.0-13.5	SB18-22.0-24.0	SB18-27.5-29.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<56	<58	<56	<56	<57	<62
Aroclor 1221	<56	<58	<56	<56	<57	<62
Aroclor 1232	<56	<58	<56	<56	<57	<62
Aroclor 1242	<56	<58	<56	<56	<57	<62
Aroclor 1248	<56	<58	<56	<56	<57	<62
Aroclor 1254	**190**	**140**	<56	<56	<57	<62
Aroclor 1260	**200**	**150**	<56	<56	<57	<62
Aroclor 1262	<56	<58	<56	<56	<57	<62
Aroclor 5460	**210**	<58	**75**	<56	<57	<62

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB19	SB19	SB19	SB21	SB21	SB21
Sample Depth Interval (ft bgs)	15.5-16.0	18.0-20.0	22.0-25.0	3.0-5.0	13.0-14.5	20.5-22.0
Sample ID	SB19-15.5-16.0	SB19-18.0-20.0	SB19-22.0-25.0	SB21-3.0-5.0	SB21-13.0-14.5	SB21-20.5-22.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<60	<62	<62	<56	<62	<61
Aroclor 1221	<60	<62	<62	<56	<62	<61
Aroclor 1232	<60	<62	<62	<56	<62	<61
Aroclor 1242	<60	<62	<62	<56	<62	<61
Aroclor 1248	<60	<62	<62	<56	<62	<61
Aroclor 1254	<60	<62	<62	**100**	<62	<61
Aroclor 1260	<60	<62	<62	**110**	<62	<61
Aroclor 1262	<60	<62	<62	<56	<62	<61
Aroclor 5460	<60	<62	<62	**4200**	<62	<61

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB21	SB22	SB22	SB22	SB22	SB26
Sample Depth Interval (ft bgs)	28.0-30.0	4.0-6.0	9.5-10.5	16.0-18.0	21.0-23.0	2.0-4.0
Sample ID	SB21-28.0-30.0	SB22-4.0-6.0	SB22-9.5-10.5	SB22-16.0-18.0	SB22-21.0-23.0	SB26-2.5-4.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/19/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<58	<55	<62	<60	<60	<53
Aroclor 1221	<58	<55	<62	<60	<60	<53
Aroclor 1232	<58	<55	<62	<60	<60	<53
Aroclor 1242	<58	<55	<62	<60	<60	<53
Aroclor 1248	<58	<55	<62	<60	<60	<53
Aroclor 1254	<58	<55	<62	<60	<60	<53
Aroclor 1260	<58	<55	<62	<60	<60	<53
Aroclor 1262	<58	<55	<62	<60	<60	<53
Aroclor 5460	<58	<55	<62	<60	<60	<53

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB26	SB26	SB26	SB28	SB28	SB28
Sample Depth Interval (ft bgs)	8.0-10.0	14.0-16.0	24.0-26.0	3.0-5.0	15.5-17.0	19.5-21.5
Sample ID	SB26-8.0-10.0	SB26-14.0-16.0	SB26-24.0-26.0	SB28-3.0-5.0	SB28-15.5-17.0	SB28-19.5-21.5
Sample Date	12/19/10	12/19/10	12/19/10	12/20/10	12/20/10	12/20/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<60	<63	<58	<53	<60	<63
Aroclor 1221	<60	<63	<58	<53	<60	<63
Aroclor 1232	<60	<63	<58	<53	<60	<63
Aroclor 1242	<60	<63	<58	<53	<60	<63
Aroclor 1248	<60	<63	<58	<53	<60	<63
Aroclor 1254	<60	<63	<58	<53	<60	<63
Aroclor 1260	<60	<63	<58	<53	<60	<63
Aroclor 1262	<60	<63	<58	<53	<60	<63
Aroclor 5460	<60	<63	<58	<53	<60	<63

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB28	SB29	SB29	SB29	SB29	SB29
Sample Depth Interval (ft bgs)	23.0-25.0	1.0-3.0	3.0-5.0	13.0-15.5	16.5-17.0	21.0-24.0
Sample ID	SB28-23.0-25.0	SB29-1.0-3.0	SB29-3.0-5.0	SB29-13.0-15.5	SB29-16.5-17.0	SB29-21.0-24.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<59	<58	<54	<64	<57	<59
Aroclor 1221	<59	<58	<54	<64	<57	<59
Aroclor 1232	<59	<58	<54	<64	<57	<59
Aroclor 1242	<59	<58	<54	<64	<57	<59
Aroclor 1248	<59	<58	<54	<64	<57	<59
Aroclor 1254	<59	**290**	<54	<64	<57	<59
Aroclor 1260	<59	**230**	<54	<64	<57	<59
Aroclor 1262	<59	<58	<54	<64	<57	<59
Aroclor 5460	<59	**340**	<54	<64	**78**	<59

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB29	SB30	SB30	SB30	SB30	SB31
Sample Depth Interval (ft bgs)	25.0-26.5	3.0-5.0	13.0-15.0	18.0-20.0	26.0-28.0	3.0-5.0
Sample ID	SB29-25.0-26.5	SB30-3.0-5.0	SB30-13.0-15.0	SB30-18.0-20.0	SB30-26.0-28.0	SB31-3.0-5.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/21/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<57	<53	<54	<59	<62	<54
Aroclor 1221	<57	<53	<54	<59	<62	<54
Aroclor 1232	<57	<53	<54	<59	<62	<54
Aroclor 1242	<57	<53	<54	<59	<62	<54
Aroclor 1248	<57	<53	<54	<59	<62	<54
Aroclor 1254	<57	<53	<54	<59	<62	<54
Aroclor 1260	<57	<53	<54	<59	<62	<54
Aroclor 1262	<57	<53	<54	<59	<62	<54
Aroclor 5460	<57	<53	<54	<59	<62	<54

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB31	SB31	SB31	SB32	SB32	SB32
Sample Depth Interval (ft bgs)	24.5-25.5	26.0-30.0	30.0-34.0	4.0-5.0	12.0-15.0	15.0-16.0
Sample ID	SB31-24.5-25.5	SB31-26.0-30.0	SB31-30.0-34.0	SB32-4.0-5.0	SB32-12.0-15.0	SB32-15.0-16.0
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<61	<61	<64	<55	<58	<60
Aroclor 1221	<61	<61	<64	<55	<58	<60
Aroclor 1232	<61	<61	<64	<55	<58	<60
Aroclor 1242	<61	<61	<64	<55	<58	<60
Aroclor 1248	<61	<61	<64	<55	<58	<60
Aroclor 1254	<61	<61	<64	<55	<58	<60
Aroclor 1260	<61	<61	<64	<55	<58	<60
Aroclor 1262	<61	<61	<64	<55	<58	<60
Aroclor 5460	<61	<61	<64	<55	<58	<60

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB32	SB33	SB33	SB33	SB33	SB34
Sample Depth Interval (ft bgs)	28.0-30.0	1.0-3.0	15.5-16.5	25.0-27.0	37.0-39.0	1.0-3.0
Sample ID	SB32-28.0-30.0	SB33-1.0-3.0	SB33-15.5-16.5	SB33-25.0-27.0	SB33-37.0-39.0	SB34-1.0-3.0
Sample Date	12/21/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<61	<56	<62	<62	<57	<53
Aroclor 1221	<61	<56	<62	<62	<57	<53
Aroclor 1232	<61	<56	<62	<62	<57	<53
Aroclor 1242	<61	<56	<62	<62	<57	<53
Aroclor 1248	<61	<56	<62	<62	<57	<53
Aroclor 1254	<61	<56	<62	<62	<57	<53
Aroclor 1260	<61	<56	<62	<62	<57	<53
Aroclor 1262	<61	<56	<62	<62	<57	<53
Aroclor 5460	<61	<56	<62	<62	<57	<53

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB34	SB34	SB35	SB35	SB35	SB36
Sample Depth Interval (ft bgs)	14.0-16.0	24.0-26.0	1.0-3.0	7.0-8.5	14.0-18.0	1.0-4.0
Sample ID	SB34-14.0-16.0	SB34-24.0-26.0	SB35-1.0-3.0	SB35-7.0-8.5	SB35-14.0-18.0	SB36-1.0-4.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<63	<59	<53	<55	<62	<54
Aroclor 1221	<63	<59	<53	<55	<62	<54
Aroclor 1232	<63	<59	<53	<55	<62	<54
Aroclor 1242	<63	<59	<53	<55	<62	<54
Aroclor 1248	<63	<59	<53	<55	<62	<54
Aroclor 1254	<63	<59	<53	<55	<62	<54
Aroclor 1260	<63	<59	**56**	<55	<62	<54
Aroclor 1262	<63	<59	<53	<55	<62	<54
Aroclor 5460	<63	<59	<53	<55	<62	<54

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB36	SB36	SB36	SB37	SB37	SB37
Sample Depth Interval (ft bgs)	7.0-9.0	24.0-25.0	35.0-36.5	1.0-3.0	10.0-12.0	13.0-15.0
Sample ID	SB36-7.0-9.0	SB36-24.0-25.0	SB36-35.0-36.5	SB37-1.0-3.0	SB37-10.0-12.0	SB37-13.0-15.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<56	<59	<58	<53	<63	<65
Aroclor 1221	<56	<59	<58	<53	<63	<65
Aroclor 1232	<56	<59	<58	<53	<63	<65
Aroclor 1242	<56	<59	<58	<53	<63	<65
Aroclor 1248	<56	<59	<58	<53	<63	<65
Aroclor 1254	<56	<59	<58	<53	<63	<65
Aroclor 1260	**69**	<59	<58	<53	<63	<65
Aroclor 1262	<56	<59	<58	<53	<63	<65
Aroclor 5460	<56	<59	<58	<53	<63	<65

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 8
Summary of Soil Sample Analytical Results
PCBs / PCTs

Boring ID	SB38	SB38	SB38	SB40	SB40	SB40
Sample Depth Interval (ft bgs)	1.0-3.0	10.0-12.0	30.0-32.0	2.0-3.0	5.0-6.5	10.0-11.5
Sample ID	SB38-1.0-3.0	SB38-10.0-12.0	SB38-30.0-32.0	SB40-2.0-3.0	SB40-5.0-6.5	SB40-10.0-11.5
Sample Date	12/21/10	12/21/10	12/21/10	12/20/10	12/20/10	12/20/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<58	<61	<59	<57	<56	<61
Aroclor 1221	<58	<61	<59	<57	<56	<61
Aroclor 1232	<58	<61	<59	<57	<56	<61
Aroclor 1242	<58	<61	<59	<57	<56	<61
Aroclor 1248	<58	<61	<59	<57	<56	<61
Aroclor 1254	**210**	<61	<59	**740**	<56	<61
Aroclor 1260	**170**	<61	<59	**670**	<56	<61
Aroclor 1262	<58	<61	<59	<57	<56	<61
Aroclor 5460	**490**	<61	<59	**1500**	<56	<61

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 9
Summary of Soil Sample Analytical Results
Title 22 Metals

Boring ID	SB01	SB01	SB01	SB02	SB02	SB02	SB03	SB03	SB03
Sample Depth Interval (ft bgs)	2.0-4.0	12.5-13.0	33.0-35.0	1.0-3.0	14.0-16.0	34.0-36.0	1.0-1.5	14.0-16.0	21.0-23.0
Sample ID	SB01-2.0-4.0	SB01-12.5-13.0	SB01-33.0-35.0	SB02-1.0-3.0	SB02-14.0-16.0	SB02-34.0-36.0	SB03-1.0-1.5	SB03-14.0-16.0	SB03-21.0-23.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.750	<1.02	<0.905	<0.850	<0.993	<0.895	<0.873	<1.07	<0.892
Arsenic	**3.00**	**6.13**	**2.46**	**4.37**	**6.49**	**2.48**	**5.21**	**8.03**	**2.19**
Barium	**26.8**	**65.4**	**49.6**	**81.1**	**91.3**	**53.1**	**60.2**	**69.8**	**8.9**
Beryllium	<0.267	<0.341	<0.302	<0.283	<0.331	<0.298	<0.291	**0.436**	<0.297
Cadmium	<0.535	<0.681	<0.603	<0.567	<0.662	<0.597	<0.582	<0.710	<0.595
Chromium	**5.57**	**12.4**	**13.7**	**15.9**	**20.1**	**13.0**	**11.5**	**25.5**	**2.32**
Cobalt	**2.70**	**7.02**	**8.45**	**6.28**	**10.5**	**8.77**	**6.85**	**9.07**	**1.75**
Copper	**8.38**	**12.3**	**9.71**	**16.8**	**15.5**	**10.4**	**16.1**	**25.2**	**1.13**
Lead	**9.38**	**9.06**	**1.49**	**13.2**	**21.4**	**1.56**	**23.4**	**20.9**	<0.595
Mercury	<0.0893	<0.0893	<0.101	<0.0947	**0.129**	<0.0996	<0.0972	**0.27**	<0.0993
Molybdenum	<0.267	**0.480**	<0.302	**0.820**	**0.641**	<0.298	**0.306**	**1.39**	<0.297
Nickel	**2.50**	**4.68**	**5.86**	**7.85**	**7.41**	**6.24**	**10.3**	**9.3**	**1.04**
Selenium	<0.802	<1.02	<0.905	<0.850	<0.993	<0.895	<0.873	<1.07	<0.892
Silver	<0.267	<0.341	<0.302	<0.283	<0.331	<0.298	<0.291	<0.355	<0.297
Thallium	<0.802	<1.02	<0.905	<0.850	<0.993	<0.895	<0.873	<1.07	<0.8952
Vanadium	**14.1**	**34.5**	**46.3**	**38.5**	**43.5**	**42.6**	**42.5**	**54.9**	**8.86**
Zinc	**27.6**	**38**	**29.6**	42.5	**62.8**	**30.6**	**56.3**	**60.2**	**4.07**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 9
Summary of Soil Sample Analytical Results
Title 22 Metals

Boring ID	SB03	SB05	SB05	SB05	SB05	SB08	SB08	SB08	SB09
Sample Depth Interval (ft bgs)	34.0-36.0	2.0-4.0	12.0-14.0	25.0-27.0	36.0-38.0	3.0-5.0	14.0-16.0	17.0-19.0	1.0-5.0
Sample ID	SB03-34.0-36.0	SB05-2.0-4.0	SB05-12.0-14.0	SB05-25.0-27.0	SB05-36.0-38.0	SB08-3.0-5.0	SB08-14.0-16.0	SB08-17.0-19.0	SB09-1.0-5.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10	12/18/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.884	<0.800	<0.883	<0.965	<0.919	<0.828	<0.955	<0.857	<0.800
Arsenic	**1.89**	**3.17**	**3.03**	**4.18**	<0.919	**4.68**	**3.92**	**8.48**	**3.59**
Barium	**35.6**	**20.7**	**15.9**	**17.1**	**6.96**	**48.2**	**32.8**	**29.3**	**32**
Beryllium	<0.295	<0.267	<0.294	<0.322	<0.306	<0.276	<0.318	<0.286	<0.267
Cadmium	<0.590	<0.534	<0.589	<0.644	<0.613	<0.552	<0.637	<0.571	<0.533
Chromium	**9.73**	**5.56**	**3.67**	**5.29**	**2.18**	**22.9**	**7.85**	**2.41**	**7.16**
Cobalt	**5.14**	**2.81**	**1.69**	**3.76**	**1.24**	**5.44**	**3.89**	**1.94**	**3.05**
Copper	**7.441**	**4.19**	**5.75**	**2.35**	**1.27**	**29.1**	**12.9**	**1.67**	**7.32**
Lead	<0.5990	**7.24**	**1.7**	<0.644	<0.613	**21.6**	**8.06**	<0.571	**4.369**
Mercury	<0.0985	<0.0891	<0.0984	<1.07	<0.102	**0.441**	**0.185**	<0.0954	<0.0890
Molybdenum	<0.295	<0.267	**0.322**	<0.322	<0.306	**1.12**	**1.03**	<0.286	<0.267
Nickel	**3.98**	**2.64**	**1.31**	**2.84**	**0.686**	**18.5**	**2.72**	**1.47**	**9.5**
Selenium	<0.884	<0.800	<0.883	<0.965	<0.919	<0.828	<0.955	<0.857	<0.800
Silver	<0.295	<0.267	<0.294	<0.322	<0.306	<0.276	<0.318	<0.286	<0.267
Thallium	<0.884	<0.800	<0.883	<0.965	<0.919	<0.828	<0.955	<0.857	<0.800
Vanadium	**33.7**	**12.5**	**10.2**	**27.6**	**10.8**	**53.8**	**17.7**	**22.2**	**14.5**
Zinc	**19.9**	**21.4**	**14.3**	**12.7**	**3.84**	**60.4**	**27.9**	**6.08**	**22.8**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the continuent was not detected
at or above the indicated detection limit.

Table 9
Summary of Soil Sample Analytical Results
Title 22 Metals

Boring ID	SB09	SB09	SB09	SB09	SB10	SB10	SB10	SB10	SB10
Sample Depth Interval (ft bgs)	13.0-16.0	18.5-20.0	21.0-22.0	32.0-33.5	4.0-5.0	7.5-9.0	20.0-22.0	24.0-25.5	32.0-33.0
Sample ID	SB09-13.0-16.0	SB09-18.5-20.0	SB09-21.0-22.0	SB09-32.0-33.5	SB10-4.0-5.0	SB10-7.5-9.0	SB10-20.0-22.0	SB10-24.0-25.5	SB10-32.0-33.0
Sample Date	12/18/10	12/18/10	12/18/10	12/18/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.926	<0.924	<0.934	<0.892	<0.821	<0.851	<0.939	<0.928	<0.904
Arsenic	**4.49**	**5.14**	**3.38**	**2.36**	**7.10**	**3.74**	**4.63**	**5.75**	**2.98**
Barium	**49.6**	**66.5**	**50.0**	**46.2**	**88.2**	**34.4**	**65.4**	**41.6**	**64.1**
Beryllium	<0.309	<0.308	<0.311	<0.297	<0.274	<0.284	<0.313	<0.309	<0.301
Cadmium	<0.617	<0.616	<0.623	<0.595	<0.548	<0.568	<0.626	<0.619	<0.602
Chromium	**8.33**	**11.0**	**8.03**	**10.1**	**8.32**	**7.38**	**8.00**	**9.19**	**10.5**
Cobalt	**5.78**	**7.27**	**5.26**	**6.55**	**4.12**	**3.39**	**5.03**	**5.93**	**7.43**
Copper	**7.2**	**9.12**	**6.82**	**6.96**	**5.46**	**10.1**	**10.8**	**5.10**	**9.78**
Lead	**1.66**	**1.92**	**10.1**	**2.29**	**3.15**	**15.7**	**7.02**	**4.09**	**1.25**
Mercury	<0.103	<0.103	<0.104	<0.0993	<0.0915	<0.0948	<0.105	<0.103	<0.101
Molybdenum	<0.309	<0.308	<0.311	<0.297	**1.01**	<0.284	<0.313	0.656	<0.301
Nickel	**4.28**	**5.47**	**4.09**	**4.76**	**3.39**	**5.19**	**4.13**	**3.72**	**5.16**
Selenium	<0.926	<0.924	<0.934	<0.892	<0.821	<0.851	<0.939	<0.928	<0.904
Silver	<0.309	<0.308	<0.311	<0.297	<0.274	<0.284	<0.313	<0.309	<0.301
Thallium	<0.926	<0.924	<0.934	<0.892	<0.821	<0.851	<0.939	<0.928	<0.904
Vanadium	**34.2**	**43.2**	**30.0**	**30.4**	**26.8**	**23.2**	**31.2**	**27.5**	**39.3**
Zinc	**20.4**	**26.2**	**19.4**	**21.4**	**18.6**	**25.9**	**23.7**	**25.5**	**25.3**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the continuent was not detected
at or above the indicated detection limit.

Table 9
Summary of Soil Sample Analytical Results
Title 22 Metals

Boring ID	SB11	SB11	SB11	SB13	SB13	SB13	SB14	SB14	SB14
Sample Depth Interval (ft bgs)	5.0-7.0	9.5-10.1	18.0-20.0	1.0-3.5	14.0-16.0	19.0-23.0	3.0-5.0	12.5-14.0	15.0-16.5
Sample ID	SB11-5.0-7.0	SB11-9.5-10.0	SB11-18.0-20.0	SB13-1.0-3.5	SB13-14.0-16.0	SB13-19.0-23.0	SB14-3.0-5.0	SB14-12.5-14.0	SB14-15.0-16.5
Sample Date	12/19/10	12/19/10	12/19/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.806	<0.848	<0.959	<0.806	<0.941	<0.874	<0.808	<0.982	<0.958
Arsenic	**3.79**	**3.64**	**4.04**	**3.70**	**3.12**	**7.94**	**4.10**	**4.03**	**2.76**
Barium	**40.1**	**32.3**	**48.9**	**17.1**	**17.7**	**20.5**	**7.29**	**34.7**	**17.2**
Beryllium	<0.269	<0.283	<0.320	<0.269	<0.314	<0.291	<0.269	<0.327	<0.319
Cadmium	<0.538	<0.566	<0.639	<0.538	<0.627	<0.583	<0.539	<0.654	<0.639
Chromium	**14.5**	**11.9**	**8.02**	**7.01**	**19.3**	**2.87**	**10.4**	**9.58**	**38.7**
Cobalt	**3.51**	**3.30**	**4.93**	**3.41**	**3.21**	**2.87**	**1.28**	**3.90**	**3.06**
Copper	**18.2**	**14.9**	**8.76**	**44.0**	**11.5**	**2.17**	**1.42**	**53.1**	**16.2**
Lead	**15.0**	**7.94**	**4.63**	**33.4**	**22.9**	<0.583	<0.539	**19.2**	**5.75**
Mercury	**0.128**	<0.0945	<0.107	0.0909	<0.105	<0.0973	<0.0900	<0.109	<0.107
Molybdenum	**0.584**	**0.618**	<0.320	<0.269	**0.637**	<0.291	<0.269	**1.32**	**0.538**
Nickel	**10.9**	**8.44**	**3.62**	**4.20**	**1.97**	**2.17**	**14.2**	**3.38**	**2.76**
Selenium	<0.806	<0.848	<0.959	<0.806	<0.941	<0.874	<0.808	<0.982	<0.958
Silver	<0.269	<0.283	<0.320	<0.269	<0.314	<0.291	<0.269	<0.327	<0.319
Thallium	<0.806	<0.848	<0.959	<0.806	<0.941	<0.874	<0.808	<0.982	<0.958
Vanadium	**42.8**	**33.6**	**32.6**	**15.6**	**10.2**	**23.7**	**11.0**	**24.9**	**15.8**
Zinc	**39.9**	**26.9**	**26.6**	**61.5**	**22.3**	**6.35**	**5.00**	**27.6**	**17.5**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the continuent was not detected
at or above the indicated detection limit.

Table 9
Summary of Soil Sample Analytical Results
Title 22 Metals

Boring ID	SB14	SB15	SB15	SB15	SB16	SB16	SB18	SB18	SB18	SB18	SB18
Sample Depth Interval (ft bgs)	16.5-17.5	3.0-5.0	12.0-14.0	16.0-18.0	4.0-6.0	16.0-18.0	1.0-3.0	3.0-5.0	8.0-9.0	12.0-13.5	22.0-24.0
Sample ID	SB14-16.5-17.5	SB15-3.0-5.0	SB15-12.0-14.0	SB15-16.0-18.0	SB16-4.0-6.0	SB16-16.0-18.0	SB18-1.0-3.0	SB18-3.0-5.0	SB18-8.0-9.0	SB18-12.0-13.5	SB18-22.0-24.0
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.982	<0.767	<0.948	<0.890	<0.833	<0.904	<0.837	**1.98**	<0.835	<0.845	<0.861
Arsenic	**3.62**	**1.69**	**5.67**	**6.31**	**4.61**	**5.10**	**6.33**	**5.39**	**3.38**	**3.99**	**7.49**
Barium	**22.7**	**7.66**	**44.6**	**14.2**	**39.5**	**34.5**	**58.3**	**49.2**	**41.7**	**35.6**	**25.9**
Beryllium	<0.327	<0.256	<0.316	<0.297	<0.278	<0.301	<0.279	<0.288	<0.278	<0.282	<0.287
Cadmium	<0.654	<0.511	<0.632	<0.593	<0.556	<0.602	<0.558	<0.576	<0.557	<0.563	<0.574
Chromium	**8.81**	**5.86**	**27.8**	**4.06**	**7.88**	**6.03**	**267**	**478**	**35.4**	**48.5**	**9.18**
Cobalt	**3.15**	**2.15**	**6.23**	**3.14**	**4.65**	**3.71**	**11.5**	**17.1**	**7.75**	**6.01**	**2.95**
Copper	**765**	**2.42**	**13.1**	**2.80**	**7.07**	**5.46**	**152**	**289**	**15.3**	**25.8**	**2.50**
Lead	**16.3**	<0.511	**12.9**	<0.593	**4.32**	**1.15**	**63.3**	**94.4**	**5.95**	**10.7**	<0.574
Mercury	**0.313**	<0.0854	**0.346**	<0.0991	<0.0928	<0.101	**0.777**	**1.79**	**0.218**	**0.154**	<0.0959
Molybdenum	**0.945**	<0.256	**0.636**	**0.379**	**1.00**	<0.301	**6.48**	**11.8**	**0.606**	**0.916**	<0.287
Nickel	**3.44**	**18.1**	**4.88**	**1.83**	**3.53**	**2.86**	**169**	**431**	**58.6**	**49.1**	**2.10**
Selenium	<0.982	<0.767	<0.948	<0.890	<0.833	<0.904	<0.837	<0.864	<0.835	<0.845	<0.861
Silver	<0.327	<0.256	<0.316	<0.297	<0.278	<0.301	<0.279	<0.288	<0.278	<0.282	<0.287
Thallium	<0.982	<0.767	<0.948	<0.890	<0.833	<0.904	<0.837	<0.864	<0.835	<0.845	<0.861
Vanadium	**10.9**	**14.8**	**30.5**	**23.0**	**27.9**	**25.6**	**251**	**716**	**79.0**	**89.2**	**22.0**
Zinc	**29.0**	**7.76**	**37.0**	**9.20**	**18.2**	**14.2**	**161**	**125**	**29.1**	**31.0**	**6.34**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Boring ID	SB18	SB19	SB19	SB19	SB21	SB21	SB21	SB21	SB22	SB22	SB22
Sample Depth Interval (ft bgs)	27.5-29.0	15.5-16.0	18.0-20.0	22.0-25.0	3.0-5.0	13.0-14.5	20.5-22.0	28.0-30.0	4.0-6.0	9.5-10.5	16.0-18.0
Sample ID	SB18-27.5-29.0	SB19-15.5-16.0	SB19-18.0-20.0	SB19-22.0-25.0	SB21-3.0-5.0	SB21-13.0-14.5	SB21-20.5-22.0	SB21-28.0-30.0	SB22-4.0-6.0	SB22-9.5-10.5	SB22-16.0-18.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.925	<0.897	<0.923	<0.929	<0.845	<0.932	<0.909	<0.871	<0.831	<0.928	<0.903
Arsenic	**2.32**	**3.50**	**5.07**	**6.07**	**6.29**	**3.31**	**4.28**	**2.53**	**3.86**	**3.97**	**6.85**
Barium	**22.3**	**39.8**	**41.8**	**30.8**	**128**	**22.2**	**38.9**	**15.5**	**36.0**	**44.9**	**16.4**
Beryllium	<0.308	<0.299	<0.308	<0.310	<0.282	<0.311	<0.303	<0.290	<0.277	<0.309	<0.301
Cadmium	<0.617	<0.598	<0.615	<0.620	<0.563	<0.621	<0.606	<0.581	<0.554	<0.619	<0.602
Chromium	**4.69**	**59.0**	**8.01**	**16.5**	**7.71**	**5.07**	**8.85**	**4.20**	**5.95**	**9.52**	**5.15**
Cobalt	**3.67**	**4.73**	**5.81**	**4.65**	**3.11**	**2.08**	**3.05**	**2.28**	**3.30**	**4.05**	**3.82**
Copper	**2.90**	**6.83**	**10.3**	**4.74**	**248**	**7.11**	**6.14**	**2.15**	**6.30**	**6.40**	**5.20**
Lead	<0.617	**3.39**	**5.51**	<0.620	**243**	**4.79**	<0.606	<0.581	**6.45**	**2.12**	**2.00**
Mercury	<0.103	<0.0999	<0.103	<0.103	**6.66**	**0.114**	<0.101	<0.0970	<0.0926	<0.103	<0.100
Molybdenum	<0.308	<0.299	**0.752**	<0.310	<0.282	**0.667**	<0.303	<0.290	<0.277	<0.309	**1.21**
Nickel	**2.70**	**4.28**	**4.17**	**2.92**	**6.23**	**1.66**	**3.17**	**1.55**	**2.65**	**3.36**	**2.83**
Selenium	<0.925	<0.897	<0.923	<0.929	<0.845	<0.932	<0.909	<0.871	<0.831	<0.928	<0.903
Silver	<0.308	<0.299	<0.308	<0.310	<0.282	<0.311	<0.303	<0.290	<0.277	<0.309	<0.301
Thallium	<0.925	<0.897	<0.923	<0.929	<0.845	<0.932	<0.909	<0.871	<0.831	<0.928	<0.903
Vanadium	**31.7**	**32.0**	**34.7**	**57.9**	**15.1**	**10.7**	**22.3**	**15.1**	**21.0**	**21.3**	**67.4**
Zinc	**11.9**	**18.8**	**22.0**	**12.0**	**234**	**15.4**	**16.6**	**8.69**	**18.3**	**21.2**	**13.9**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 9
Summary of Soil Sample Analytical Results
Title 22 Metals

Boring ID	SB22	SB26	SB26	SB26	SB26	SB28	SB28	SB28	SB28	SB29	SB29
Sample Depth Interval (ft bgs)	21.0-23.0	2.0-4.0	8.0-10.0	14.0-16.0	24.0-26.0	3.0-5.0	15.5-17.0	19.5-21.5	23.0-25.0	1.0-3.0	3.0-5.0
Sample ID	SB22-21.0-23.0	SB26-2.5-4.0	SB26-8.0-10.0	SB26-14.0-16.0	SB26-24.0-26.0	SB28-3.0-5.0	SB28-15.5-17.0	SB28-19.5-21.5	SB28-23.0-25.0	SB29-1.0-3.0	SB29-3.0-5.0
Sample Date	12/20/10	12/19/10	12/19/10	12/19/10	12/19/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.901	<0.792	<0.899	<0.940	<0.869	<0.795	<0.904	<0.949	<0.880	<0.874	<0.807
Arsenic	**1.26**	**3.10**	**2.29**	**3.34**	**2.10**	**2.98**	**3.90**	**3.43**	**3.77**	**10.0**	**3.97**
Barium	**19.1**	**39.1**	**9.09**	**25.7**	**49.6**	**25.5**	**20.6**	**22.2**	**45.8**	**89.2**	**35.8**
Beryllium	<0.300	<0.264	<0.300	<0.313	<0.290	<0.265	<0.301	<0.316	<0.293	**0.393**	<0.269
Cadmium	<0.601	<0.528	<0.600	<0.627	<0.579	<0.530	<0.602	<0.633	<0.587	<0.583	<0.538
Chromium	**3.05**	**7.34**	**2.80**	**6.07**	**9.60**	**5.35**	**5.32**	**6.64**	**11.2**	**711**	**115**
Cobalt	**4.44**	**4.36**	**1.48**	**2.82**	**8.69**	**2.68**	**2.92**	**3.01**	**10.5**	**24.6**	**6.21**
Copper	**2.89**	**9.59**	**2.72**	**8.42**	**11.6**	**7.16**	**4.14**	**3.43**	**8.44**	**532**	**35.3**
Lead	<0.601	**4.33**	**1.53**	**5.77**	**1.69**	**9.17**	**14.9**	**9.40**	**1.77**	**92.8**	**34.7**
Mercury	<0.100	<0.0882	<0.100	**0.201**	<0.0968	<0.0885	<0.101	<0.106	<0.0980	**1.57**	<0.0899
Molybdenum	<0.300	<0.264	<0.300	**0.372**	<0.290	<0.265	<0.301	**0.473**	<0.293	**68.1**	**0.469**
Nickel	**1.90**	**3.40**	**0.876**	**2.15**	**6.22**	**3.73**	**2.15**	**2.13**	**6.09**	**426**	**109**
Selenium	<0.901	<0.792	<0.899	<0.940	<0.869	<0.795	<0.904	<0.949	<0.880	<0.874	<0.807
Silver	<0.300	<0.264	<0.300	<0.313	<0.290	<0.265	<0.301	<0.316	<0.293	<0.291	<0.269
Thallium	<0.901	<0.792	<0.899	<0.940	<0.869	<0.795	<0.904	<0.949	<0.880	<0.874	<0.807
Vanadium	**23.7**	**22.7**	**9.71**	**17.4**	**39.8**	**20.1**	**15.2**	**13.5**	**48.7**	**467**	**56.8**
Zinc	**6.53**	**22.5**	**7.68**	**19.3**	**24.8**	**26.5**	**28.6**	**18.2**	**24.6**	**355**	**70.2**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 9
Summary of Soil Sample Analytical Results
Title 22 Metals

Boring ID	SB29	SB29	SB29	SB29	SB30	SB30	SB30	SB30	SB31	SB31	SB31
Sample Depth Interval (ft bgs)	13.0-15.5	16.5-17.0	21.0-24.0	25.0-26.5	3.0-5.0	13.0-15.0	18.0-20.0	26.0-28.0	3.0-5.0	24.5-25.5	26.0-30.0
Sample ID	SB29-13.0-15.5	SB29-16.5-17.0	SB29-21.0-24.0	SB29-25.0-26.5	SB30-3.0-5.0	SB30-13.0-15.0	SB30-18.0-20.0	SB30-26.0-28.0	SB31-3.0-5.0	SB31-24.5-25.5	SB31-26.0-30.0
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/20/10	12/21/10	12/21/10	12/21/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.958	<0.849	<0.890	<0.849	<0.790	<0.815	<0.878	<0.924	<0.809	<0.921	<0.917
Arsenic	**7.31**	**4.22**	**7.14**	**10.5**	**2.39**	**4.38**	**6.01**	**8.98**	**4.91**	**4.97**	**1.72**
Barium	**56.8**	**38.2**	**17.1**	**14.6**	**6.05**	**35.8**	**77.3**	**22.2**	**26.2**	**27.1**	**20.1**
Beryllium	**0.389**	<0.283	<0.297	<0.283	<0.263	<0.272	<0.293	<0.308	<0.270	<0.307	<0.306
Cadmium	<0.639	<0.566	<0.593	<0.566	<0.527	<0.543	<0.585	<0.616	<0.539	<0.614	<0.611
Chromium	**32.0**	**275**	**6.86**	**3.43**	**2.92**	**9.59**	**21.4**	**4.56**	**5.68**	**6.43**	**3.12**
Cobalt	**8.77**	**7.36**	**3.16**	**2.50**	**1.27**	**5.28**	**7.64**	**4.50**	**3.35**	**4.03**	**2.29**
Copper	**21.9**	**184**	**2.39**	**1.25**	**0.583**	**5.18**	**14.6**	**2.77**	**21.0**	**4.36**	**1.75**
Lead	**24.1**	**30.9**	<0.593	<0.566	**4.31**	**5.28**	**4.33**	<0.616	**8.64**	**5.44**	<0.611
Mercury	**0.314**	**0.535**	<0.0991	<0.0946	<0.0880	<0.0908	<0.0978	<0.103	<0.0901	<0.103	<0.102
Molybdenum	**1.72**	**17.0**	<0.297	<0.283	<0.263	<0.272	<0.293	<0.308	<0.270	**0.422**	<0.306
Nickel	**8.93**	**102**	**2.07**	**1.37**	**0.728**	**3.27**	**8.14**	**2.41**	**2.72**	**3.04**	**1.37**
Selenium	<0.958	<0.849	<0.890	<0.849	<0.790	<0.815	<0.878	<0.924	<0.809	<0.921	<0.917
Silver	<0.319	<0.283	<0.297	<0.283	<0.263	<0.272	<0.293	<0.308	<0.270	<0.307	<0.306
Thallium	<0.958	<0.849	<0.890	<0.849	<0.790	<0.815	<0.878	<0.924	<0.809	<0.921	<0.917
Vanadium	**46.2**	**143**	**20.8**	**22.3**	**5.29**	**17.3**	**48.1**	**26.3**	**18.3**	**21.8**	**14.2**
Zinc	**60.6**	**132**	**8.08**	**2.85**	**5.54**	**27.2**	**34.5**	**9.64**	**20.3**	**19.9**	**7.42**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 9
Summary of Soil Sample Analytical Results
Title 22 Metals

Boring ID	SB31	SB32	SB32	SB32	SB32	SB33	SB33	SB33	SB33	SB34	SB34
Sample Depth Interval (ft bgs)	30.0-34.0	4.0-5.0	12.0-15.0	15.0-16.0	28.0-30.0	1.0-3.0	15.5-16.5	25.0-27.0	37.0-39.0	1.0-3.0	14.0-16.0
Sample ID	SB31-30.0-34.0	SB32-4.0-5.0	SB32-12.0-15.0	SB32-15.0-16.0	SB32-28.0-30.0	SB33-1.0-3.0	SB33-15.5-16.5	SB33-25.0-27.0	SB33-37.0-39.0	SB34-1.0-3.0	SB34-14.0-16.0
Sample Date	12/21/10	12/21/10	12/21/10	12/21/10	12/21/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.964	<0.822	<0.868	<0.899	<0.917	<0.841	<0.923	<0.931	<0.857	<0.802	<0.951
Arsenic	**2.39**	**3.40**	**3.72**	**2.67**	**4.78**	**4.98**	**5.11**	**2.42**	**4.56**	**5.71**	**3.34**
Barium	**26.5**	**34.3**	**43.5**	**28.3**	**33.5**	**32.4**	**12.5**	**30.7**	**34.1**	**58.4**	**15.6**
Beryllium	<0.321	<0.274	<0.289	<0.300	<0.306	<0.280	<0.308	<0.310	<0.286	<0.267	<0.317
Cadmium	<0.643	<0.548	<0.579	<0.600	<0.611	<0.561	<0.615	<0.620	<0.571	<0.535	<0.634
Chromium	**5.16**	**6.09**	**7.99**	**6.53**	**6.21**	**7.94**	**4.10**	**6.57**	**5.87**	**10.5**	**4.71**
Cobalt	**7.83**	**3.31**	**4.31**	**3.51**	**10.9**	**3.76**	**2.67**	**4.02**	**3.23**	**5.77**	**2.22**
Copper	**2.98**	**10.6**	**12.2**	**9.82**	**4.36**	**8.36**	**3.36**	**4.81**	**3.90**	**11.8**	**13.4**
Lead	**1.29**	**9.38**	**13.3**	**276**	<0.611	**8.00**	**13.2**	**16.6**	<0.571	**25.7**	**6.75**
Mercury	<0.107	<0.0916	<0.0966	<0.100	<0.102	**0.133**	<0.103	<0.104	<0.0954	<0.0893	**0.201**
Molybdenum	<0.321	**0.379**	**0.354**	<0.300	<0.306	**0.283**	<0.308	<0.310	<0.286	<0.267	**0.339**
Nickel	**4.73**	**3.66**	**5.26**	**5.20**	**5.00**	**2.96**	**1.39**	**2.73**	**2.22**	**7.13**	**1.53**
Selenium	<0.964	<0.822	<0.868	<0.899	<0.917	<0.841	<0.923	<0.931	<0.857	<0.802	<0.951
Silver	<0.321	<0.274	<0.289	<0.300	<0.306	<0.280	<0.308	<0.310	<0.286	<0.267	<0.317
Thallium	<0.964	<0.822	<0.868	<0.899	<0.917	<0.841	<0.923	<0.931	<0.857	<0.802	<0.951
Vanadium	**20.0**	**18.8**	**25.6**	**26.0**	**30.6**	**21.8**	**11.2**	**23.5**	**21.0**	**38.2**	**10.7**
Zinc	**15.8**	**25.2**	**29.1**	**24.6**	**17.3**	**28.8**	**21.3**	**26.0**	**9.15**	**45.9**	**20.9**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 9
Summary of Soil Sample Analytical Results
Title 22 Metals

Boring ID	SB34	SB35	SB35	SB35	SB36	SB36	SB36	SB36	SB37	SB37	SB37
Sample Depth Interval (ft bgs)	24.0-26.0	1.0-3.0	7.0-8.5	14.0-18.0	1.0-4.0	7.0-9.0	24.0-25.0	35.0-36.5	1.0-3.0	10.0-12.0	13.0-15.0
Sample ID	SB34-24.0-26.0	SB35-1.0-3.0	SB35-7.0-8.5	SB35-14.0-18.0	SB36-1.0-4.0	SB36-7.0-9.0	SB36-24.0-25.0	SB36-35.0-36.5	SB37-1.0-3.0	SB37-10.0-12.0	SB37-13.0-15.0
Sample Date	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10	12/19/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.890	<0.798	<0.827	<0.932	<0.803	<0.846	<0.887	<0.877	<0.802	<0.946	<0.968
Arsenic	**1.76**	**4.90**	**4.97**	**4.21**	**4.26**	**3.13**	**6.12**	**3.95**	**4.82**	**3.48**	**3.13**
Barium	**14.0**	**54.8**	**33.1**	**21.6**	**54.4**	**34.2**	**28.7**	**44.9**	**47.4**	**26.5**	**27.2**
Beryllium	<0.297	<0.266	<0.276	<0.311	<0.268	<0.282	<0.296	<0.292	<0.267	<0.315	<0.323
Cadmium	<0.593	<0.532	<0.551	<0.621	<0.535	<0.564	<0.591	<0.585	<0.535	<0.631	<0.645
Chromium	**2.46**	**10.1**	**7.36**	**7.64**	**9.18**	**7.87**	**5.65**	**6.53**	**11.5**	**6.52**	**6.71**
Cobalt	**3.38**	**5.81**	**3.68**	**2.96**	**5.30**	**4.47**	**7.43**	**2.78**	**6.79**	**3.15**	**3.18**
Copper	**1.36**	**14.8**	**9.56**	**19.8**	**12.0**	**7.96**	**4.02**	**4.53**	**18.6**	**5.72**	**4.95**
Lead	<0.593	**15.6**	**5.33**	**11.2**	**18.1**	**7.13**	**1.02**	<0.585	**7.59**	**4.87**	**5.08**
Mercury	<0.0991	<0.0888	**0.123**	**0.214**	<0.0894	<0.0941	<0.0987	<0.0977	<0.0893	<0.105	<0.108
Molybdenum	<0.297	0.267	<0.276	**0.655**	<0.268	<0.282	**0.899**	<0.292	<0.267	0.317	<0.323
Nickel	**1.59**	**13.0**	**3.06**	**2.73**	**17.7**	**3.73**	**4.31**	**1.96**	**13.4**	**2.25**	**2.27**
Selenium	<0.890	<0.798	<0.827	<0.932	<0.803	<0.846	<0.887	<0.877	<0.802	<0.946	<0.968
Silver	<0.297	<0.266	<0.276	<0.311	<0.268	<0.282	<0.296	<0.292	<0.267	<0.315	<0.323
Thallium	<0.890	<0.798	<0.827	<0.932	<0.803	<0.846	<0.887	<0.877	<0.802	<0.946	<0.968
Vanadium	**10.6**	**45.4**	**23.3**	**18.6**	**40.6**	**25.5**	**22.3**	**16.3**	**45.4**	**16.1**	**15.6**
Zinc	**5.11**	**37.2**	**25.2**	**29.3**	**41.7**	**26.1**	**13.9**	**10.5**	**30.4**	**21.4**	**20.5**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 9
Summary of Soil Sample Analytical Results
Title 22 Metals

Boring ID	SB38	SB38	SB38	SB40	SB40	SB40
Sample Depth Interval (ft bgs)	1.0-3.0	10.0-12.0	30.0-32.0	2.0-3.0	5.0-6.5	10.0-11.5
Sample ID	SB38-1.0-3.0	SB38-10.0-12.0	SB38-30.0-32.0	SB40-2.0-3.0	SB40-5.0-6.5	SB40-10.0-11.5
Sample Date	12/21/10	12/21/10	12/21/10	12/20/10	12/20/10	12/20/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.865	<0.908	<0.892	<0.852	<0.834	<0.916
Arsenic	**14.3**	**4.72**	**5.48**	**15.5**	**4.50**	**5.58**
Barium	**109**	**19.9**	**47.5**	**244**	**44.4**	**56.7**
Beryllium	<0.288	<0.303	<0.297	**0.660**	<0.278	<0.305
Cadmium	<0.577	<0.605	<0.595	**1.43**	<0.556	<0.611
Chromium	**109**	**6.53**	**5.77**	**1010**	**64.4**	**100**
Cobalt	**8.07**	**2.94**	**5.83**	**39.5**	**9.24**	**7.39**
Copper	**110**	**4.01**	**3.69**	**1800**	**183**	**142**
Lead	**82.2**	**2.33**	<0.595	**109**	**29.1**	**8.13**
Mercury	**0.110**	<0.101	<0.0993	**1.00**	**0.131**	<0.102
Molybdenum	**1.92**	<0.303	<0.297	**466**	**24.6**	**38.6**
Nickel	**42.7**	**1.85**	**3.22**	**85.3**	**84.3**	**11.6**
Selenium	<0.865	<0.908	<0.892	<0.852	<0.834	<0.916
Silver	<0.288	<0.303	<0.297	<0.284	<0.278	<0.305
Thallium	<0.865	<0.908	<0.892	<0.852	<0.834	<0.916
Vanadium	**88.6**	**14.7**	**30.0**	**148**	**42.0**	**36.3**
Zinc	**251**	**15.2**	**14.9**	**1070**	**92.3**	**117**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

SGE&E Tidelands Area
San Diego, California

Table 10
Summary of Groundwater Sample Analytical Restuls
TPH

February 28, 2011
Revised May 24, 2011
Project No. 106942001

Boring ID	SB01	SB03	SB08	SB10	SB15	SB16	SB18
Sample ID	SB01-GW-121810	SB03-GW-121810	SB08-GW-121810	SB10-GW-121910	SB15-GW-122110	SB16-GW-122110	SB18-GW-122010
Sample Date	12/18/10	12/18/10	12/18/10	12/19/10	12/21/10	12/21/10	12/20/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B	8015B
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
C06	<50	<50	<50	<50	<50	<50	<50
C07	<50	<50	<50	<50	<50	<50	<50
C08	<50	<50	<50	<50	<50	<50	<50
C09-C10	<50	<50	<50	<50	<50	<50	<50
C11-C12	<50	<50	<50	<50	<50	<50	<50
C13-C14	<50	<50	<50	<50	<50	<50	<50
C15-C16	<50	<50	<50	<50	<50	<50	<50
C17-C18	<50	<50	<50	<50	<50	<50	<50
C19-C20	<50	<50	<50	<50	<50	<50	<50
C21-C22	<50	<50	<50	<50	<50	<50	<50
C23-C24	<50	<50	<50	<50	<50	<50	<50
C25-C28	<50	<50	<50	<50	**58**	<50	<50
C29-C32	<50	<50	<50	<50	**55**	<50	<50
C33-C36	<50	<50	<50	<50	<50	<50	<50
C37-C40	<50	<50	<50	<50	<50	<50	<50
C41-C44	<50	<50	<50	<50	<50	<50	<50
C6-C44 Total	**110**	**65**	**110**	<50	**220**	<50	<50

Notes:
ug/l= micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

SGE&E Tidelands Area
San Diego, California

Table 10
Summary of Groundwater Sample Analytical Restuls
TPH

February 28, 2011
Revised May 24, 2011
Project No. 106942001

Boring ID	SB21	SB28	SB30	SB31	SB33	SB34	SB36
Sample ID	SB21-GW-122010	SB28-GW-122010	SB30-GW-122010	SB31-GW-122110	SB33-GW-121910	SB34-GW-121910	SB36-GW-121910
Sample Date	12/20/10	12/20/10	12/20/10	12/21/10	12/19/10	12/19/10	12/19/10
EPA Method	8015B	8015B	8015B	8015B	8015B	8015B	8015B
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
C06	<250	<50	<50	<50	<50	<50	<50
C07	<250	<50	<50	<50	<50	<50	<50
C08	<250	<50	<50	<50	<50	<50	<50
C09-C10	<250	<50	<50	<50	<50	<50	<50
C11-C12	<250	<50	<50	<50	<50	<50	<50
C13-C14	<250	<50	<50	<50	<50	<50	<50
C15-C16	<250	<50	<50	<50	<50	<50	<50
C17-C18	<250	<50	<50	<50	<50	<50	<50
C19-C20	<250	<50	<50	<50	<50	<50	<50
C21-C22	<250	<50	<50	<50	<50	<50	<50
C23-C24	<250	<50	<50	<50	<50	<50	<50
C25-C28	**330**	<50	<50	<50	<50	<50	<50
C29-C32	**690**	<50	<50	<50	<50	<50	<50
C33-C36	**710**	<50	<50	<50	<50	<50	<50
C37-C40	**620**	<50	<50	<50	<50	<50	<50
C41-C44	**400**	<50	<50	<50	<50	<50	<50
C6-C44 Total	**3200**	**240**	**110**	<50	<50	<50	<50

Notes:
ug/l= micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 10
Summary of Groundwater Sample Analytical Restuls
TPH

Boring ID	SB38	QCEB	QCEB	QCEB	QCEB
Sample ID	SB38-GW-122110	QCEB-121810	QCEB-121910	QCEB-122010	QCEB-122110
Sample Date	12/21/10	12/18/10	12/19/10	12/20/10	12/21/10
EPA Method	8015B	8015B	8015B	8015B	8015B
Units	ug/l	ug/l	ug/l	ug/l	ug/l
C06	<50	<50	<50	<50	<50
C07	<50	<50	<50	<50	<50
C08	<50	<50	<50	<50	<50
C09-C10	<50	<50	<50	<50	<50
C11-C12	<50	<50	<50	<50	<50
C13-C14	<50	<50	<50	<50	<50
C15-C16	<50	<50	<50	<50	<50
C17-C18	<50	<50	<50	<50	<50
C19-C20	<50	<50	<50	<50	<50
C21-C22	<50	<50	<50	<50	<50
C23-C24	<50	<50	<50	<50	<50
C25-C28	<50	<50	<50	<50	<50
C29-C32	<50	<50	<50	<50	<50
C33-C36	<50	<50	<50	<50	<50
C37-C40	<50	<50	<50	<50	<50
C41-C44	<50	<50	<50	<50	<50
C6-C44 Total	**110**	<50	<50	<50	<50

Notes:
ug/l= micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 11
Summary of Groundwater Sample Analytical Results
VOCs

Boring ID	SB01	SB03	SB08	SB10	SB15	SB16
Sample ID	SB01-GW-121810	SB03-GW-121810	SB08-GW-121810	SB10-GW-121910	SB15-GW-122110	SB16-GW-122110
Sample Date	12/18/10	12/18/10	12/18/10	12/19/10	12/21/10	12/21/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Acetone	<50	<50	<50	<50	<50	<50
Benzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	<10	<10	<10	<10	<10	<10
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	<10	<10	<10	<10	<10	<10
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorobromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	**6.2**	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<0.50	**2.8**	**0.70**	**3.0**	<0.50	<0.50
1,1-Dichloroethene	<1.0	**75**	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	**18**	**4.1**	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Freon 11 (Trichlorofluoromethane)	<10	<10	<10	<10	<10	<10
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethan	<10	<10	<10	<10	<10	<10
Freon 12 (Dichlorodifluoromethane)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<10	<10	<10	<10	<10	<10
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone	<10	<10	<10	<10	<10	<10
Methyl isobutyl ketone (MIBK)	<10	<10	<10	<10	<10	<10
Methyl Tert-butyl ether (MTBE)	<1.0	**1.1**	<1.0	**1.9**	<1.0	<1.0
Methylene chloride	<10	<10	<10	<10	<10	<10
Naphthalene	<10	<10	<10	<10	<10	<10
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	**2.2**	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	**52**	**8.1**	**3.3**	<1.0	<1.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Acetate	<10	<10	<10	<10	<10	<10
Vinyl Chloride	<0.50	**0.72**	<0.50	<0.50	<0.50	<0.50
m,p-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:
ug/l = micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 11
Summary of Groundwater Sample Analytical Results
VOCs

Boring ID	SB18	SB21	SB28	SB30	SB31	SB33
Sample ID	SB18-GW-122010	SB21-GW-122010	SB28-GW-122010	SB30-GW-122010	SB31-GW-122110	SB33-GW-121910
Sample Date	12/20/10	12/20/10	12/20/10	12/20/10	12/21/10	12/19/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Acetone	<50	<50	<50	<50	<50	<50
Benzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	<10	<10	<10	<10	<10	<10
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	<10	<10	<10	<10	<10	<10
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorobromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	**1.4**	<1.0	<1.0	<1.0	<1.0	**2.1**
1,2-Dichloroethane	**2.2**	<0.50	**1.0**	<0.50	<0.50	**1.7**
1,1-Dichloroethene	**1.6**	<1.0	<1.0	<1.0	<1.0	**17**
cis-1,2-Dichloroethene	**43**	<1.0	**6.9**	**12**	**30**	**9.3**
trans-1,2-Dichloroethene	**2.0**	<1.0	<1.0	<1.0	**2.1**	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Freon 11 (Trichlorofluoromethane)	<10	<10	<10	<10	<10	<10
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethan	<10	<10	<10	<10	<10	<10
Freon 12 (Dichlorodifluoromethane)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<10	<10	<10	<10	<10	<10
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone	<10	<10	<10	<10	<10	<10
Methyl isobutyl ketone (MIBK)	<10	<10	<10	<10	<10	<10
Methyl Tert-butyl ether (MTBE)	**7.3**	22	<1.0	**96**	**1.5**	<1.0
Methylene chloride	<10	<10	<10	<10	<10	<10
Naphthalene	<10	<10	<10	<10	<10	<10
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	**130**	<1.0	**2.9**	**11**	**36**	**13**
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Acetate	<10	<10	<10	<10	<10	<10
Vinyl Chloride	**2.4**	1.7	<0.50	<0.50	**0.68**	<0.50
m,p-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:
ug/l = micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 11
Summary of Groundwater Sample Analytical Results
VOCs

Boring ID	SB34	SB36	SB38	QCEB	QCEB	QCEB
Sample ID	SB34-GW-121910	SB36-GW-121910	SB38-GW-122110	QCEB-121810	QCEB-121910	QCEB-122010
Sample Date	12/19/10	12/19/10	12/21/10	12/18/10	12/19/10	12/20/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Acetone	<50	<50	<50	<50	<50	<50
Benzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	<10	<10	<10	<10	<10	<10
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	<10	<10	<10	<10	<10	<10
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorobromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	**1.8**	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	**0.74**	**1.2**	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	**20**	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	**8.1**	**13**	**38**	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	**2.7**	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Freon 11 (Trichlorofluoromethane)	<10	<10	<10	<10	<10	<10
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethan	<10	<10	<10	<10	<10	<10
Freon 12 (Dichlorodifluoromethane)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<10	<10	<10	<10	<10	<10
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone	<10	<10	<10	<10	<10	<10
Methyl isobutyl ketone (MIBK)	<10	<10	<10	<10	<10	<10
Methyl Tert-butyl ether (MTBE)	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0
Methylene chloride	<10	<10	<10	<10	<10	<10
Naphthalene	<10	<10	<10	<10	<10	<10
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	**12**	**21**	**36**	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Acetate	<10	<10	<10	<10	<10	<10
Vinyl Chloride	**0.62**	**0.51**	**1.8**	<0.50	<0.50	<0.50
m,p-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:
ug/l = micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 11
Summary of Groundwater Sample Analytical Results
VOCs

Boring ID	QCEB	QCTB	QCTB	QCTB	QCTB	QCTB
Sample ID	QCEB-122110	QCTB-121810	QCTB-121910	QCTB-122010	QCTB-122110	QCTB-122910
Sample Date	12/21/10	12/18/10	12/19/10	12/20/10	12/21/10	12/29/10
EPA Method	8260B	8260B	8260B	8260B	8260B	8260B
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Acetone	<50	<50	<50	<50	<50	<50
Benzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	<10	<10	<10	<10	<10	<10
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	<10	<10	<10	<10	<10	<10
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorobromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Freon 11 (Trichlorofluoromethane)	<10	<10	<10	<10	<10	<10
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethan	<10	<10	<10	<10	<10	<10
Freon 12 (Dichlorodifluoromethane)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<10	<10	<10	<10	<10	<10
Isopropylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone	<10	<10	<10	<10	<10	<10
Methyl isobutyl ketone (MIBK)	<10	<10	<10	<10	<10	<10
Methyl Tert-butyl ether (MTBE)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	<10	<10	<10	<10	<10	<10
Naphthalene	<10	<10	<10	<10	<10	<10
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Acetate	<10	<10	<10	<10	<10	<10
Vinyl Chloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m,p-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:
ug/l = micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 12
Summary of Groundwater Sample Analytical Results
SVOCs

Boring ID	SB01	SB03	SB08	SB10	SB15	SB16	SB18
Sample ID	SB01-GW-121810	SB03-GW-121810	SB08-GW-121810	SB10-GW-121910	SB15-GW-122110	SB16-GW-122110	SB18-GW-122010
Sample Date	12/18/10	12/18/10	12/18/10	12/19/10	12/21/10	12/21/10	12/20/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C	8270C
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Acenaphthene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Acenaphthylene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Anthracene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Benzo(a)anthracene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Benzo(a)pyrene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Benzo(b)fluoranthene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Benzo(g,h,i)perylene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Benzo(k)fluoranthene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Chrysene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Dibenzo(a,h)anthracene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Fluoranthene	<0.24	<0.21	<0.22	**0.22**	<0.23	<0.20	<0.21
Fluorene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Indeno(1,2,3-c,d)pyrene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
1-Methylnaphthalene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
2-Methylnaphthalene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Naphthalene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Phenanthrene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21
Pyrene	<0.24	<0.21	<0.22	<0.20	<0.23	<0.20	<0.21

Notes:
ug/l = micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 12
Summary of Groundwater Sample Analytical Results
SVOCs

Boring ID	SB21	SB28	SB30	SB31	SB33	SB34	SB36
Sample ID	SB21-GW-122010	SB28-GW-122010	SB30-GW-122010	SB31-GW-122110	SB33-GW-121910	SB34-GW-121910	SB36-GW-121910
Sample Date	12/20/10	12/20/10	12/20/10	12/21/10	12/19/10	12/19/10	12/19/10
EPA Method	8270C	8270C	8270C	8270C	8270C	8270C	8270C
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Acenaphthene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Acenaphthylene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Anthracene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Benzo(a)anthracene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Benzo(a)pyrene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Benzo(b)fluoranthene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Benzo(g,h,i)perylene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Benzo(k)fluoranthene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Chrysene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Dibenzo(a,h)anthracene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Fluoranthene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Fluorene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Indeno(1,2,3-c,d)pyrene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
1-Methylnaphthalene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
2-Methylnaphthalene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Naphthalene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Phenanthrene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22
Pyrene	<0.24	<0.22	<0.28	<0.20	<0.22	<0.20	<0.22

Notes:
ug/l = micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 12
Summary of Groundwater Sample Analytical Results
SVOCs

Boring ID	SB38	QCEB	QCEB	QCEB	QCEB
Sample ID	SB38-GW-122110	QCEB-121810	QCEB-121910	QCEB-122010	QCEB-122110
Sample Date	12/21/10	12/18/10	12/19/10	12/20/10	12/21/10
EPA Method	8270C	8270C	8270C	8270C	8270C
Units	ug/l	ug/l	ug/l	ug/l	ug/l
Acenaphthene	<0.21	<0.20	<0.20	<0.20	<0.20
Acenaphthylene	<0.21	<0.20	<0.20	<0.20	<0.20
Anthracene	<0.21	<0.20	<0.20	<0.20	<0.20
Benzo(a)anthracene	<0.21	<0.20	<0.20	<0.20	<0.20
Benzo(a)pyrene	<0.21	<0.20	<0.20	<0.20	<0.20
Benzo(b)fluoranthene	<0.21	<0.20	<0.20	<0.20	<0.20
Benzo(g,h,i)perylene	<0.21	<0.20	<0.20	<0.20	<0.20
Benzo(k)fluoranthene	<0.21	<0.20	<0.20	<0.20	<0.20
Chrysene	<0.21	<0.20	<0.20	<0.20	<0.20
Dibenzo(a,h)anthracene	<0.21	<0.20	<0.20	<0.20	<0.20
Fluoranthene	<0.21	<0.20	<0.20	<0.20	<0.20
Fluorene	<0.21	<0.20	<0.20	<0.20	<0.20
Indeno(1,2,3-c,d)pyrene	<0.21	<0.20	<0.20	<0.20	<0.20
1-Methylnaphthalene	<0.21	<0.20	<0.20	<0.20	<0.20
2-Methylnaphthalene	<0.21	<0.20	<0.20	<0.20	<0.20
Naphthalene	<0.21	<0.20	**0.81**	<0.20	<0.20
Phenanthrene	<0.21	<0.20	<0.20	<0.20	<0.20
Pyrene	<0.21	<0.20	<0.20	<0.20	<0.20

Notes:
ug/l = micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 13
Summary of Groundwater Sample Analytical Results
PCBs / PCTs

Boring ID	SB01	SB03	SB08	SB10	SB15	SB16	SB18
Sample ID	SB01-GW-121810	SB03-GW-121810	SB08-GW-121810	SB10-GW-121910	SB15-GW-122110	SB16-GW-122110	SB18-GW-122010
Sample Date	12/18/10	12/18/10	12/18/10	12/19/10	12/21/10	12/21/10	12/20/10
EPA Method	8082	8082	8082	8082	8082	8082	8082
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Aroclor 1016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.3	<1.2
Aroclor 1221	<1.0	<1.0	<1.0	<1.0	<1.0	<1.3	<1.2
Aroclor 1232	<1.0	<1.0	<1.0	<1.0	<1.0	<1.3	<1.2
Aroclor 1242	<1.0	<1.0	<1.0	<1.0	<1.0	<1.3	<1.2
Aroclor 1248	<1.0	<1.0	<1.0	<1.0	<1.0	<1.3	<1.2
Aroclor 1254	<1.0	<1.0	<1.0	<1.0	<1.0	<1.3	<1.2
Aroclor 1260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.3	<1.2
Aroclor 1262	<1.0	<1.0	<1.0	<1.0	<1.0	<1.3	<1.2
Aroclor 5460	<1.0	<1.0	<1.0	<1.0	<1.0	<1.3	<1.2

Notes:
ug/l = micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 13
Summary of Groundwater Sample Analytical Results
PCBs / PCTs

Boring ID	SB21	SB28	SB30	SB31	SB33	SB34	SB36
Sample ID	SB21-GW-122010	SB28-GW-122010	SB30-GW-122010	SB31-GW-122110	SB33-GW-121910	SB34-GW-121910	SB36-GW-121910
Sample Date	12/20/10	12/20/10	12/20/10	12/21/10	12/19/10	12/19/10	12/19/10
EPA Method	8082	8082	8082	8082	8082	8082	8082
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Aroclor 1016	<1.2	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0
Aroclor 1221	<1.2	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0
Aroclor 1232	<1.2	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0
Aroclor 1242	<1.2	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0
Aroclor 1248	<1.2	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0
Aroclor 1254	<1.2	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0
Aroclor 1260	<1.2	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0
Aroclor 1262	<1.2	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0
Aroclor 5460	<1.2	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0

Notes:
ug/l = micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 13
Summary of Groundwater Sample Analytical Results
PCBs / PCTs

Boring ID	SB38	QCEB	QCEB	QCEB	QCEB
Sample ID	SB38-GW-122110	QCEB-121810	QCEB-121910	QCEB-122010	QCEB-122110
Sample Date	12/21/10	12/18/10	12/19/10	12/20/10	12/21/10
EPA Method	8082	8082	8082	8082	8082
Units	ug/l	ug/l	ug/l	ug/l	ug/l
Aroclor 1016	<1.0	<1.0	<1.0	<1.0	<1.0
Aroclor 1221	<1.0	<1.0	<1.0	<1.0	<1.0
Aroclor 1232	<1.0	<1.0	<1.0	<1.0	<1.0
Aroclor 1242	<1.0	<1.0	<1.0	<1.0	<1.0
Aroclor 1248	<1.0	<1.0	<1.0	<1.0	<1.0
Aroclor 1254	<1.0	<1.0	<1.0	<1.0	<1.0
Aroclor 1260	<1.0	<1.0	<1.0	<1.0	<1.0
Aroclor 1262	<1.0	<1.0	<1.0	<1.0	<1.0
Aroclor 5460	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:
ug/l = micrograms per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 14
Summary of Groundwater Analytical Results
Title 22 Metals

Boring ID	SB01	SB03	SB08	SB10	SB15	SB16	SB18
Sample ID	SB01-GW-121810	SB03-GW-121810	SB08-GW-121810	SB10-GW-121910	SB15-GW-122110	SB16-GW-122110	SB18-GW-122010
Sample Date	12/18/10	12/18/10	12/18/10	12/19/10	12/21/10	12/21/10	12/20/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Antimony	<0.0150	**0.0150**	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Arsenic	**0.0599**	**0.0415**	**0.0353**	**0.0238**	**0.0590**	**0.0588**	**0.0493**
Barium	**0.807**	**0.255**	**0.113**	**0.758**	**0.221**	**0.257**	**0.197**
Beryllium	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cadmium	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium	<0.0100	<0.0100	<0.0100	<0.0100	**0.0132**	**0.0190**	**0.0136**
Cobalt	**0.100**	**0.0637**	0.0134	**0.0603**	**0.0185**	**0.0258**	**0.0458**
Copper	<0.0100	**0.0262**	<0.0100	**0.0239**	<0.0100	**0.0143**	**0.0108**
Lead	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Mercury	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Molybdenum	**0.0446**	**0.0286**	**0.0377**	**0.0497**	**0.0361**	**0.0226**	**0.0514**
Nickel	**0.0518**	**0.0744**	**0.0171**	**0.268**	**0.0272**	**0.0328**	**0.0984**
Selenium	<0.0150	<0.0150	<0.0150	<0.0150	**0.0175**	**0.0241**	**0.0188**
Silver	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	**0.00539**	<0.00500
Thallium	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Vanadium	**0.0169**	**0.0584**	<0.0100	**0.103**	**0.0228**	**0.0520**	**0.0455**
Zinc	**0.162**	**0.117**	**0.0223**	**0.136**	**0.0704**	**0.0779**	**0.190**

Notes:
mg/l = milligrams per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 14
Summary of Groundwater Analytical Results
Title 22 Metals

Boring ID	SB21	SB28	SB30	SB31	SB33	SB34	SB36
Sample ID	SB21-GW-122010	SB28-GW-122010	SB30-GW-122010	SB31-GW-122110	SB33-GW-121910	SB34-GW-121910	SB36-GW-121910
Sample Date	12/20/10	12/20/10	12/20/10	12/21/10	12/19/10	12/19/10	12/19/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Antimony	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Arsenic	**0.0501**	**0.0541**	**0.0418**	**0.0782**	**0.0310**	**0.0481**	**0.0394**
Barium	**0.326**	**0.246**	**0.193**	**0.813**	**0.231**	**0.148**	**0.244**
Beryllium	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cadmium	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium	**0.0209**	**0.0169**	<0.0100	**0.124**	<0.0100	<0.0100	<0.0100
Cobalt	**0.0447**	**0.0304**	**0.0213**	**0.0629**	**0.0424**	**0.0512**	**0.0163**
Copper	**0.0407**	**0.0163**	<0.0100	**0.533**	<0.0100	<0.0100	<0.0100
Lead	**0.0250**	<0.0100	<0.0100	**0.0784**	<0.0100	<0.0100	<0.0100
Mercury	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
Molybdenum	**0.0512**	**0.0576**	**0.0323**	**0.0450**	**0.0945**	**0.0298**	**0.0699**
Nickel	**0.0569**	**0.0319**	**0.0272**	**0.0897**	**0.0820**	**0.0564**	**0.0297**
Selenium	<0.0150	**0.0165**	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Silver	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Thallium	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Vanadium	**0.0246**	**0.0415**	**0.0101**	**0.209**	<0.0100	**0.0156**	**0.0249**
Zinc	**0.366**	**0.0697**	**0.0987**	**0.381**	**0.131**	**0.0991**	**0.0546**

Notes:
mg/l = milligrams per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 14
Summary of Groundwater Analytical Results
Title 22 Metals

Boring ID	SB38	QCEB	QCEB	QCEB	QCEB
Sample ID	SB38-GW-122110	QCEB-121810	QCEB-121910	QCEB-122010	QCEB-122110
Sample Date	12/21/10	12/18/10	12/19/10	12/20/10	12/21/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/l	mg/l	mg/l	mg/l	mg/l
Antimony	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Arsenic	**0.389**	<0.0100	<0.0100	<0.0100	<0.0100
Barium	**4.85**	<0.0100	<0.0100	<0.0100	<0.0100
Beryllium	**0.0134**	<0.0100	<0.0100	<0.0100	<0.0100
Cadmium	**0.0102**	<0.0100	<0.0100	<0.0100	<0.0100
Chromium	**1.27**	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt	**0.248**	<0.0100	<0.0100	<0.0100	<0.0100
Copper	**16.5**	<0.0100	<0.0100	<0.0100	<0.0100
Lead	**1.15**	<0.0100	<0.0100	<0.0100	<0.0100
Mercury	**0.00340**	<0.000500	<0.000500	<0.000500	<0.000500
Molybdenum	**0.0241**	<0.0100	<0.0100	<0.0100	<0.0100
Nickel	**0.344**	<0.0100	<0.0100	<0.0100	<0.0100
Selenium	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Silver	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Thallium	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
Vanadium	**1.71**	<0.0100	<0.0100	<0.0100	<0.0100
Zinc	**3.60**	**0.0259**	<0.0100	<0.0100	<0.0100

Notes:
mg/l = milligrams per liter
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 15
Summary of Cooling Water Tunnel Sediment Samples
TPH

Boring ID	DT01	DT02A	DT02B	IT01	IT02
Sample Depth Interval (ft bgs)	00.0	00.0	00.0	00.0	00.0
Sample ID	DT-01-122910	DT-02A-122910	DT-02B-122910	IT-01-122910	IT-02-122910
Sample Date	12/29/10	12/29/10	12/29/10	12/29/10	12/29/10
EPA Method	8015B	8015B	8015B	8015B	8015B
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
C06	<29	<93	<15	<33	<13
C07	<29	<93	<15	<33	<13
C08	<29	<93	<15	<33	<13
C09-C10	<29	<93	<15	<33	<13
C11-C12	<29	<93	<15	<33	<13
C13-C14	<29	**530**	<15	<33	<13
C15-C16	<29	**2300**	<15	**37**	<13
C17-C18	<29	**3500**	**32**	**90**	**26**
C19-C20	<29	**3500**	**33**	**110**	**25**
C21-C22	<29	**2200**	**26**	**88**	**24**
C23-C24	<29	**1600**	**29**	**66**	**27**
C25-C28	<29	**2200**	**43**	**72**	**42**
C29-C32	<29	**2700**	**86**	**160**	**67**
C33-C36	<29	**2000**	**78**	**120**	**42**
C37-C40	<29	**1400**	**70**	**110**	**41**
C41-C44	<29	**550**	**56**	**85**	**28**
C6-C44 Total	<29	**23000**	**470**	**940**	**330**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.
The sample extract was subject to Silica Gel
Cleanup prior to extract.
The total concentration includes individual
carbon range concentrations (estimated),
if any , reported below the RL as ND

Table 16
Summary of Cooling Water Tunnel Sediment Samples
VOCs

Sample ID	DT-01-122910	DT-02A-122910	IT-02-122910
Sample Date	12/29/10	12/29/10	12/29/10
EPA Method	8260B	8260B	8260B
Units	ug/kg	ug/kg	ug/kg
Acetone	<350	<440	<190
Benzene	**15**	<8.8	<3.9
Bromobenzene	<6.9	<8.8	<3.9
Bromochloromethane	<14	<18	<7.8
Bromoform	<35	<44	<19
Bromomethane	<140	<180	<78
n-Butylbenzene	<6.9	<8.8	<3.9
sec-Butylbenzene	<6.9	<8.8	<3.9
Carbon disulfide	<69	<88	<39
Carbon Tetrachloride	<6.9	<8.8	<3.9
Chlorobenzene	<6.9	<8.8	<3.9
Chloroethane	<14	<18	<7.8
Chloroform	<6.9	<8.8	<3.9
Chloromethane	<140	<180	<78
2-Chlorotoluene	<6.9	<8.8	<3.9
4-Chlorotoluene	<6.9	<8.8	<3.9
1,2-Dibromo-3-chloropropane	<35	<44	<19
Dibromochloromethane	<14	<18	<7.8
1,2-Dibromoethane (EDB)	<6.9	<8.8	<3.9
Dibromomethane	<6.9	<8.8	<3.9
1,2-Dichlorobenzene	<6.9	<8.8	<3.9
1,3-Dichlorobenzene	<6.9	<8.8	<3.9
1,4-Dichlorobenzene	<6.9	<8.8	<3.9
Dichlorobromomethane	<6.9	<8.8	<3.9
1,1-Dichloroethane	<6.9	<8.8	<3.9
1,2-Dichloroethane	<6.9	<8.8	<3.9
1,1-Dichloroethene	<6.9	<8.8	<3.9
cis-1,2-Dichloroethene	<6.9	<8.8	<3.9
trans-1,2-Dichloroethene	<6.9	<8.8	<3.9
1,2-Dichloropropane	<6.9	<8.8	<3.9
1,3-Dichloropropane	<6.9	<8.8	<3.9
2,2-Dichloropropane	<35	<44	<19
1,1-Dichloropropene	<14	<18	<7.8
cis-1,3-Dichloropropene	<6.9	<8.8	<3.9
trans-1,3-Dichloropropene	<14	<18	<7.8
Ethylbenzene	<6.9	<8.8	<3.9
Freon 11 (Trichlorofluoromethane)	<69	<88	<39
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethan	<69	<88	<39
Freon 12 (Dichlorodifluoromethane)	<14	<18	<7.8
2-Hexanone	<140	<180	<78
Isopropylbenzene	<6.9	<8.8	<3.9
p-Isopropyltoluene	<6.9	<8.8	<3.9
Methyl Ethyl Ketone	<140	<180	<78
Methyl isobutyl ketone (MIBK)	<140	<180	<78
Methyl Tert-butyl ether (MTBE)	<14	<18	<7.8
Methylene chloride	<69	<88	<39
Naphthalene	<69	<88	<39
n-Propylbenzene	<14	<18	<7.8
Styrene	<6.9	<8.8	<3.9
tert-Butylbenzene	<6.9	<8.8	<3.9
1,1,1,2-Tetrachloroethane	<6.9	<8.8	<3.9
1,1,2,2-Tetrachloroethane	<14	<18	<7.8
Tetrachloroethene	<6.9	<8.8	<3.9
Toluene	<6.9	<8.8	<3.9
1,2,3-Trichlorobenzene	<14	<18	<7.8
1,2,4-Trichlorobenzene	<14	<18	<7.8
1,1,1-Trichloroethane	<6.9	<8.8	<3.9
1,1,2-Trichloroethane	<6.9	<8.8	<3.9
Trichloroethene	<14	<18	<7.8
1,2,3-Trichloropropane	<14	<18	<7.8
1,2,4-Trimethylbenzene	<14	<18	<7.8
1,3,5-Trimethylbenzene	<14	<18	<7.8
Vinyl Acetate	<69	<88	<39
Vinyl Chloride	<6.9	<8.8	<3.9
m,p-Xylene	<14	<18	<7.8
o-Xylene	<6.9	<8.8	<3.9

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 17
Summary of Cooling Water Tunnel Sediment Samples
SVOCs

Sample ID	DT-01-122910	DT-02A-122910	DT-02B-122910	IT-01-122910	IT-02-122910
Sample Date	12/29/10	12/29/10	12/29/10	12/29/10	12/29/10
EPA Method	8270C	8270C	8270C	8270C	8270C
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	<0.12	<0.074	<0.061	<0.027	<0.054
Acenaphthylene	<0.12	<0.074	**0.11**	**0.043**	**0.10**
Anthracene	<0.12	**0.19**	**0.16**	**0.087**	**0.16**
Benzo(a)anthracene	<0.12	**0.089**	**0.28**	**0.045**	**0.17**
Benzo(a)pyrene	<0.12	**0.15**	**0.52**	**0.17**	**0.38**
Benzo(b)fluoranthene	<0.12	**0.19**	**0.65**	**0.28**	**0.51**
Benzo(g,h,i)perylene	<0.12	**0.11**	**0.29**	**0.071**	**0.21**
Benzo(k)fluoranthene	<0.12	**0.11**	**0.45**	**0.13**	**0.23**
Chrysene	<0.12	**0.17**	**0.46**	**0.095**	**0.43**
Dibenzo(a,h)anthracene	<0.12	<0.074	**0.090**	<0.027	**0.064**
Fluoranthene	<0.12	**0.14**	**0.33**	**0.098**	**0.19**
Fluorene	<0.12	<0.074	<0.061	<0.027	<0.054
Indeno(1,2,3-c,d)pyrene	<0.12	**0.080**	**0.27**	**0.057**	**0.19**
1-Methylnaphthalene	<0.12	<0.074	<0.061	<0.027	<0.054
2-Methylnaphthalene	<0.12	<0.074	<0.061	<0.027	**0.079**
Naphthalene	<0.12	<0.074	<0.061	<0.027	<0.054
Phenanthrene	<0.12	**0.16**	**0.14**	**0.086**	**0.14**
Pyrene	<0.12	**0.31**	**0.43**	**0.15**	**0.27**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 18
Summary of Cooling Water Tunnel Sediment Samples
PCBs/PCTs

Sample ID	DT-01-122910	DT-02A-122910	DT-02B-122910	IT-01-122910	IT-02-122910
Sample Date	12/29/10	12/29/10	12/29/10	12/29/10	12/29/10
EPA Method	8082/8082M	8082/8082M	8082/8082M	8082/8082M	8082/8082M
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<290	<190	<150	<67	<130
Aroclor 1221	<290	<190	<150	<67	<130
Aroclor 1232	<290	<190	<150	<67	<130
Aroclor 1242	<290	<190	<150	<67	<130
Aroclor 1248	<290	<190	<150	<67	<130
Aroclor 1254	<290	**640**	**550**	**190**	**230**
Aroclor 1260	<290	**660**	**500**	**170**	**220**
Aroclor 1262	<290	<190	<150	<67	<130
Aroclor 5460	<290	**310**	**490**	**170**	**260**

Notes:
ug/kg = micrograms per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Table 19
Summary of Cooling Water Tunnel Sediment Samples
Metals

Sample ID	DT-01-122910	DT-02A-122910	DT-02B-122910	IT-01-122910	IT-02-122910
Sample Date	12/29/10	12/29/10	12/29/10	12/29/10	12/29/10
EPA Method	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<4.36	<2.78	<2.29	<1.00	<2.02
Arsenic	**44.6**	**14.2**	**30.5**	**8.55**	**32.8**
Barium	**123**	**67.4**	**154**	**56.9**	**125**
Beryllium	<1.45	<0.926	0.874	<0.333	0.723
Cadmium	<2.91	<1.85	<1.53	<0.667	<1.34
Chromium	**65.9**	**75.2**	**109**	**18.1**	**89.4**
Cobalt	**12.4**	**10.6**	**22.5**	**7.46**	**18.6**
Copper	**114**	**466**	**961**	**159**	**699**
Lead	**38.3**	**110**	**228**	**55.0**	**170**
Mercury	<0.485	**0.847**	**2.07**	**0.216**	**1.06**
Molybdenum	**35.2**	**2.84**	**3.58**	**2.33**	**3.51**
Nickel	**24.2**	**17.1**	**33.6**	**18.3**	**26.6**
Selenium	<4.36	<2.78	<2.29	<1.00	<2.02
Silver	<1.45	<0.926	**0.951**	<0.333	**1.69**
Thallium	<4.36	<2.78	<2.29	<1.00	<2.02
Vanadium	**87.1**	**60.0**	**132**	**43.1**	**136**
Zinc	**190**	**511**	**885**	**382**	**869**

Notes:
mg/kg = milligrams per kilogram
ft = feet
bgs = below ground surface
<X = the constinuent was not detected
at or above the indicated detection limit.

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

5710 Ruffin Road | San Diego, California 92123 | p. 858.576.1000

ARIZONA | CALIFORNIA | COLORADO | NEVADA | TEXAS | UTAH

www.ninyoandmoore.com

Appendix F

BAE Systems Waterfront Improvement Project – Environmental Noise Report

BAE Systems Waterfront Improvement Project – Environmental Noise Report

Prepared for:

San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101
Contact: Peter Eichar
(619) 686-6284

Prepared by:

ICF
49 Discovery, Suite 250
Irvine, CA 92618
Contact: Jonathan Higginson, INCE
(949) 333-6619

June 2020



ICF. 2020. BAE Systems Waterfront Improvement Project – Environmental Noise Report. June. (ICF 216.18.) Irvine, CA. Prepared for San Diego Unified Port District, San Diego, CA.

Contents

Page

Chapter 1 **Introduction** **1-1**
1.1 Project Overview 1-1
Chapter 2 **Fundamentals of Environmental Noise** **2-1**
2.1 Frequency, Amplitude, and Decibels 2-1
2.1.1 Decibel Calculations 2-1
2.2 Perception of Noise and A-Weighting 2-2
2.3 Noise Descriptors 2-3
2.4 Sound Propagation 2-4
2.5 Human Response to Noise 2-5
2.6 Noise-Sensitive Land Uses 2-7
Chapter 3 **Fundamentals of Environmental Vibration** **3-1**
3.1 Frequency and Amplitude 3-1
3.2 Vibration Descriptors 3-1
3.3 Vibration Propagation 3-2
3.4 Effects of Groundborne Vibration 3-3
3.4.1 Potential Building Damage 3-3
3.4.2 Human Disturbance or Annoyance 3-3
3.5 Vibration-Sensitive Land Uses 3-4
Chapter 4 **Existing Conditions** **4-1**
4.1 Noise Monitoring 4-1
4.1.1 Long-Term Noise Measurements 4-3
4.1.2 Short-Term Noise Measurements 4-3
Chapter 5 **Applicable Laws and Regulations** **5-1**
5.1 State Regulations 5-1
5.1.1 California Department of Transportation 5-1
5.2 Local 5-2
5.2.1 Port of San Diego Port Master Plan 5-2
5.2.2 City of San Diego General Plan 5-3
5.2.3 City of San Diego Municipal Code 59.5.0401 (Noise Ordinance) 5-5
5.2.4 City of San Diego Municipal Code 59.5.0404 (Construction Noise) 5-5
5.2.5 City of San Diego Significance Determination Thresholds 5-6
5.2.6 City of Coronado General Plan 5-8
5.2.7 City of Coronado Municipal Code 41.10.010 (Noise Ordinance) 5-9

5.2.8 City of Coronado Municipal Code 41.10.040 and 41.10.050 (Construction Noise) 5-10

Chapter 6 **Analysis Methodology and Thresholds of Impact 6-1**

6.1 Construction Analysis Methodology 6-1

6.1.1 Construction Noise 6-1

6.1.2 Construction Vibration 6-3

6.2 Operational Analysis Methodology 6-4

6.3 Thresholds of Significance 6-4

Chapter 7 **Impact Analysis 7-1**

7.1 Construction 7-1

7.1.1 Noise 7-1

7.1.2 Vibration 7-5

7.2 Project Operation 7-6

7.2.1 Operational Noise 7-6

7.2.2 Operational Vibration 7-6

7.2.3 Aircraft Noise 7-6

Chapter 8 **References 8-1**

Appendix A Field Noise Survey Sheets

Appendix B Construction Noise Analysis

Appendix C Construction Vibration Analysis

Appendix D Complete Project Description

Tables and Figures

Table **Page**

2-1 Typical Noise Levels in the Environment 2-3
4-1 Summary of Noise Measurement Results 4-4
5-1 Caltrans Guideline Vibration Damage Criteria 5-1
5-2 Caltrans Guideline Vibration Annoyance Criteria 5-2
5-3 City of San Diego General Plan Land Use – Noise Compatibility Guidelines 5-4
5-4 City of San Diego Noise Limits 5-5
5-5 San Diego CEQA Significance Determination Thresholds Traffic Noise Significance Thresholds 5-6
5-6 San Diego CEQA Significance Determination Thresholds Noise Land Use Compatibility Chart 5-8
5-7 City of Coronado Noise Sensitivity of Land Use 5-9
5-8 City of Coronado Noise Limits 5-10
6-1 Construction Equipment Noise Levels 6-2
6-2 Summary Description of Analyzed Receiver Locations 6-3
6-3 Construction Equipment Vibration Levels 6-3
7-1 Predicted Daytime Construction Noise Levels 7-3
7-2 Predicted Nighttime Construction Noise Levels 7-4
7-3 Impact Distances from Construction Equipment for Potential Vibration Building Damage 7-5
7-4 Impact Distances from Construction Equipment for Potential Vibration Annoyance 7-5

Figure **Page**

1-1 Project Location 1-3
1-2 Project Site Boundaries 1-4
1-3 Site Plan and Project Elements 1-5
4-1 Ambient Noise Monitoring Locations 4-2

Acronyms and Abbreviations

µPa	microPascals
BAE Systems	BAE Systems San Diego Ship Repair Inc.
Caltrans	California Department of Transportation
CCC	California Coastal Commission
CEQA	California Environmental Quality Act
CNEL	Community Noise Equivalent Level
dB	decibel
dBA	A-weighted decibels
District	Unified Port District of San Diego
EIR	Environmental Impact Report
EPA	U.S. Environmental Protection Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
Hz	Hertz
in/s	inches per second
L_{eq}	equivalent sound level
L_{max}	Maximum Sound Level
L_{min}	Minimum Sound Level
L_V	Vibration Velocity Level
L_{xx}	Percentile-Exceeded Sound Level
PPV	Peak Particle Velocity
project site	BAE Systems San Diego Ship Repair Yard
RCNM	Roadway Construction Noise Model
rms	root mean square
SLC	State Lands Commission
SLM	sound level meters
TUOP	Tidelands Use and Occupancy Permit
VdB	vibration decibels

Chapter 1
Introduction

This technical report has been prepared to support the Environmental Impact Report (EIR) and provide information regarding potential effects of noise and groundborne vibration associated with the proposed BAE Systems Waterfront Improvement Project (proposed project), located at 2205 East Belt Street, San Diego, California. The noise study described herein evaluates the potential short- and long-term noise and groundborne vibration impacts associated with proposed project development. The report describes the environmental setting for the proposed project, including the existing noise environment, as well as applicable laws and regulations and documents the assumptions, methodologies, and findings used to evaluate the impacts.

1.1 Project Overview

A complete Project Description is provided in Appendix D of this technical report. An overview of the project elements is provided below.

BAE Systems San Diego Ship Repair Inc. (BAE Systems), is a ship repair company in the San Diego area, primarily serving non-nuclear U.S. Navy vessels, as well as commercial customers. BAE Systems currently leases 9.8 acres of land and 16.6 acres of water from the Unified Port District of San Diego (District). This lease is scheduled to expire in 2034. In addition, BAE Systems currently occupies a parcel pursuant to a now-expired 5-year Tidelands Use and Occupancy Permit (TUOP) from the District to lease an additional 2.0 acres of land and 4.0 acres of water. As a result, BAE Systems leases approximately 11.8 acres of land area and approximately 20.6 acres of water area from the District. In addition to these leased and permitted areas, BAE Systems leases 3.5 acres of submerged from the District. These submerged lands were originally leased from the California State Lands Commission (SLC). However, effective January 1, 2020, this area was transferred to the District's jurisdiction per Senate Bill (SB) 507, which granted and conveyed in trust to the District all right title, and interest in certain tidelands and submerged lands, as enumerated in SB 507. BAE Systems' lease with the SLC was transferred to the District. The total acreage occupied by BAE Systems (including the TUOP parcel) pursuant to agreements with the District comprise the BAE Systems San Diego Ship Repair Yard (project site).

The project site consists of three working piers, five wet berths, and two floating drydocks, all of which are used to modernize, repair, and overhaul various marine vessels. The smaller of the two drydocks, the Pride of San Diego, has been on site since 1984. In 2017, the larger drydock, Pride of California, was commissioned to meet the growing needs of BAE Systems' customers.

The purpose of the proposed project is to maintain and improve facilities for the berthing needs of current and future U.S. Naval assets and other customers. As part of the U.S. Navy's "Pivot West" strategy, it is anticipated that more Navy vessels will be home-ported in San Diego. As a result, BAE Systems requires the ability to flexibly locate various ships within the facility as well as ensure safe and efficient facility utilization for the moorage of vessels, including during extreme weather conditions.

The proposed project would replace aging structures, improve existing infrastructure, increase space utilization, and increase efficiency of operations at the ship repair yard. While these improvements would allow newer and different classes of vessels to be moored and repaired on site, the proposed improvements are not expected to increase the number of vessels serviced because no new berthing space would be provided. Furthermore, the mooring of newer, larger vessels would reduce the number of other vessels that could be concurrently moored at the ship repair yard..

The proposed project consists of the following 15 project elements designed to improve efficiency and functionality of the existing BAE Systems San Diego Ship Repair Yard.

1. Pride of San Diego Drydock Dredging and Moorage
2. Pride of San Diego Drydock Wharf Replacement and Realignment
3. Fender System Repair and Replacement
4. Pier 3 South Nearshore Dredging
5. Pier 3 Mooring Dolphin
6. Pier 3 North Lunchroom Wharf Replacement and Realignment
7. Quay Wall Modifications
8. Port Security Barrier Replacement
9. Small Boat Mooring Float Replacement
10. Central Tool Room Demolition and Reconstruction
11. New Production Building
12. Administrative Office Building
13. Pier 1 Restroom Renovation and/or Demolition
14. Main Electrical Utility Service Update
15. Sanitary Sewer and Potable Water Utility Services

The majority of the proposed work would take place within the District's jurisdiction (i.e., Project Elements 2, 3, 4, 6, 7 and, 9–15). Project Elements 1, 5, and 8 are within the District's leasing jurisdiction and the California Coastal Commission's (CCC) permitting jurisdiction, per SB 507 and the California Coastal Act. BAE Systems will apply directly to the CCC for authorization and entitlements for Project Elements 1, 5, and 8; however, this study analyzes the entire proposed project. Figure 1-1 shows the project location, Figure 1-2 illustrates the project site boundaries, and Figure 1-3 provides an overall site plan identifying the location of each project element by number.

Figure 1-1. Project Location

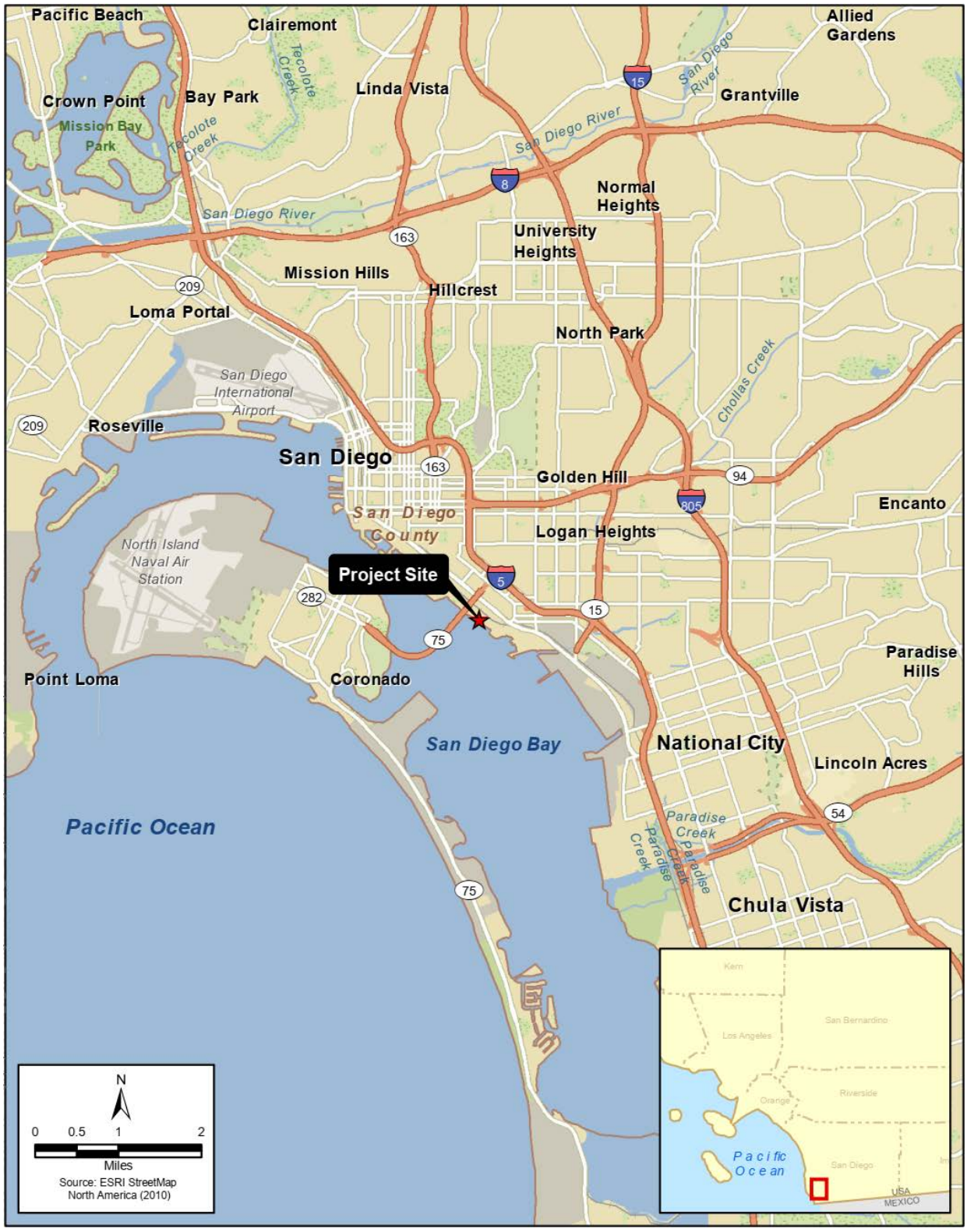


Figure 1-2. Project Site Boundaries

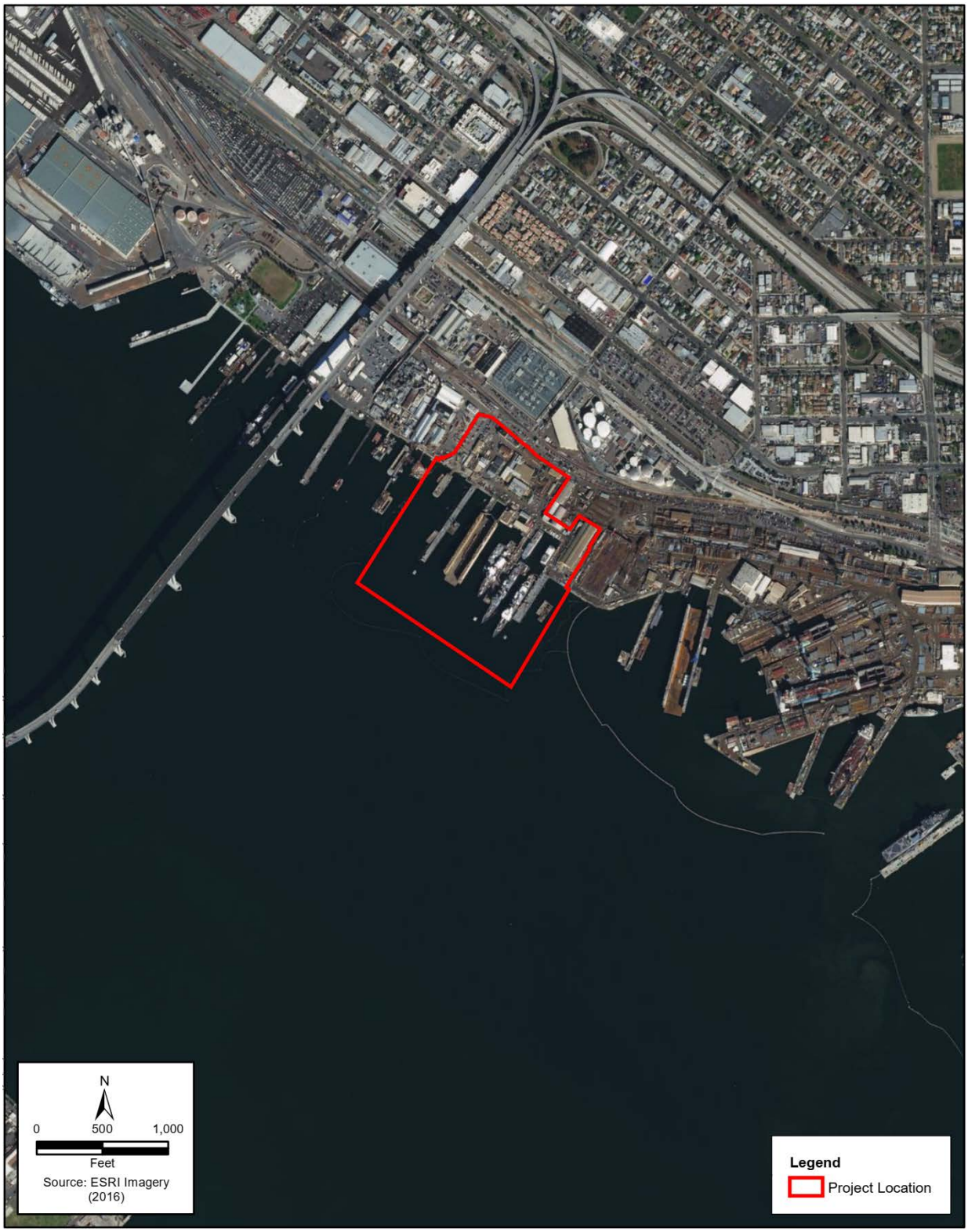
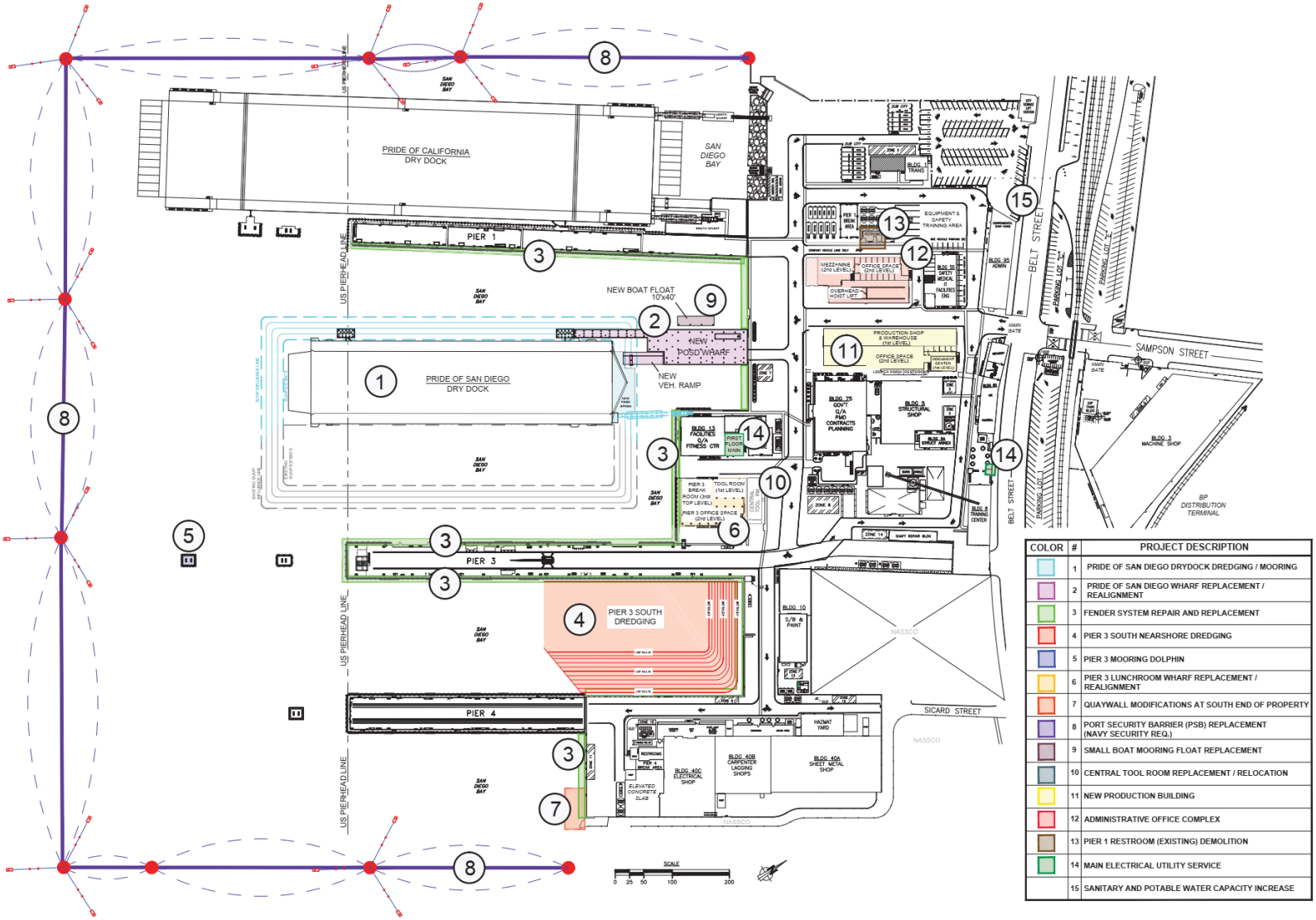


Figure 1-3. Site Plan and Project Elements



COLOR	#	PROJECT DESCRIPTION
	1	PRIDE OF SAN DIEGO DRYDOCK DREDGING / MOORING
	2	PRIDE OF SAN DIEGO WHARF REPLACEMENT / REALIGNMENT
	3	FENDER SYSTEM REPAIR AND REPLACEMENT
	4	PIER 3 SOUTH NEARSHORE DREDGING
	5	PIER 3 MOORING DOLPHIN
	6	PIER 3 LUNCHROOM WHARF REPLACEMENT / REALIGNMENT
	7	QUAYWALL MODIFICATIONS AT SOUTH END OF PROPERTY
	8	PORT SECURITY BARRIER (PSB) REPLACEMENT (NAVY SECURITY REQ.)
	9	SMALL BOAT MOORING FLOAT REPLACEMENT
	10	CENTRAL TOOL ROOM REPLACEMENT / RELOCATION
	11	NEW PRODUCTION BUILDING
	12	ADMINISTRATIVE OFFICE COMPLEX
	13	PIER 1 RESTROOM (EXISTING) DEMOLITION
	14	MAIN ELECTRICAL UTILITY SERVICE
	15	SANITARY AND POTABLE WATER CAPACITY INCREASE

Chapter 2
Fundamentals of Environmental Noise

Noise is commonly defined as unwanted sound. Sound can be described as the mechanical energy of a vibrating object transmitted by pressure waves through a liquid or gaseous medium (e.g., air) to a hearing organ, such as a human ear. Noise is often defined as sound that is objectionable because it is disturbing or annoying.

In the science of acoustics, the fundamental model consists of a sound (or noise) source, a receptor, and the propagation path between the two. The loudness of the noise source and the obstructions or atmospheric factors, which affect the propagation path to the receptor, determine the sound level and the characteristics of the noise perceived by the receptor.

The following sections provide an explanation of key concepts and acoustical terms used in the analysis of environmental and community noise.

2.1 Frequency, Amplitude, and Decibels

Continuous sound can be described by *frequency* (pitch) and *amplitude* (loudness). A low-frequency sound is perceived as low in pitch. Frequency is expressed in terms of cycles per second, or Hertz (Hz) (e.g., a frequency of 250 cycles per second is referred to as 250 Hz). High frequencies are sometimes more conveniently expressed in kilohertz, or thousands of Hz. The audible frequency range for humans is generally between 20 Hz and 20,000 Hz.

The amplitude of pressure waves generated by a sound source determines the loudness of that source. The amplitude of a sound is typically described in terms of the *sound pressure level*, which refers to the root-mean-square pressure of a sound wave, and measured in units called microPascals (µPa). One µPa is approximately one hundred-billionth (0.00000000001) of normal atmospheric pressure. Sound pressure levels for different kinds of noise environments can range from less than 100 to more than 100,000,000 µPa. Because of this large range of values, sound is rarely expressed in terms of µPa. Instead, a logarithmic scale is used to describe the sound pressure level (also referred to as simply the sound level) in terms of decibels, abbreviated dB. Specifically, the decibel describes the ratio of the actual sound pressure to a reference pressure and is calculated as follows:

$$SPL = 20 \times \log_{10}\left(\frac{X}{20\mu Pa}\right)$$

where X is the actual sound pressure and 20 µPa is the standard reference pressure level for acoustical measurements in air. The threshold of hearing for young people is about 0 dB, which corresponds to 20 µPa.

2.1.1 Decibel Calculations

Because decibels represent noise levels using a logarithmic scale, sound pressure levels cannot be added, subtracted, or averaged through ordinary arithmetic. On the dB scale, a doubling of sound energy corresponds to a 3-dB increase. In other words, when two identical sources are each

producing sound of the same loudness, their combined sound level at a given distance would be 3 dB higher than one source under the same conditions. For example, if one bulldozer produces a sound pressure level of 80 dB, two bulldozers would not produce a combined sound level of 160 dB. Rather, they would combine to produce 83 dB. The cumulative sound level of any number of sources can be determined using decibel addition. The same decibel addition is used for A-weighted decibels described below.

Similarly, the arithmetic mean (average) of a series of noise levels does not accurately represent the overall average noise level. Instead, the values must be averaged using a linear scale before converting the result back into a logarithmic (dB) noise level. This method is typically referred to as calculating the "energy average" of the noise levels.

2.2 Perception of Noise and A-Weighting

The dB scale alone does not adequately characterize how humans perceive noise. The dominant frequencies of a sound have a substantial effect on the human response to that sound. Although the intensity (energy per unit area) of the sound is a purely physical quantity, the loudness or human response is determined by characteristics of the human ear.

Human hearing is limited in the range of audible frequencies as well as in the way it perceives the sound pressure level in that range. In general, people are most sensitive to the frequency range of 1,000 to 8,000 Hz and perceive sounds within that range better than sounds of the same amplitude in higher or lower frequencies. To approximate the response of the human ear, sound levels in various frequency bands are adjusted (or "weighted"), depending on the human sensitivity to those frequencies. The resulting sound pressure level is expressed in A-weighted decibels, abbreviated dBA.

The A-weighting scale approximates the frequency response of the average young ear when listening to most ordinary sounds. When people make judgments regarding the relative loudness or annoyance of a sound, their judgments correlate well with the A-weighted sound levels of those sounds. Table 2-1 describes typical A-weighted sound levels for various noise sources.

Table 2-1. Typical Noise Levels in the Environment

Common Outdoor Noise Source	Sound Level (dBA)	Common Indoor Noise Source
	— 110 —	Rock band
Jet flying at 1,000 feet		
	— 100 —	
Gas lawn mower at 3 feet		
	— 90 —	
Diesel truck at 50 feet at 50 mph		Food blender at 3 feet
	— 80 —	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawn mower at 100 feet	— 70 —	Vacuum cleaner at 10 feet
Commercial area		Normal speech at 3 feet
Heavy traffic at 300 feet	— 60 —	
		Large business office
Quiet urban daytime	— 50 —	Dishwasher in next room
Quiet urban nighttime	— 40 —	Theater, large conference room (background)
Quiet suburban nighttime		
	— 30 —	Library
Quiet rural nighttime		Bedroom at night
	— 20 —	
		Broadcast/recording studio
	— 10 —	
Lowest threshold of human hearing	— 0 —	Lowest threshold of human hearing

Source: California Department of Transportation 2013a.
dBA = A-weighted decibels.

2.3 Noise Descriptors

Because sound levels can vary markedly over a short period of time, various descriptors or noise "metrics" have been developed to quantify environmental and community noise. These metrics generally describe either the average character of the noise or the statistical behavior of the variations in the noise level. Some of the most common metrics used to describe environmental noise, including those metrics used in this report, are described below.

Equivalent Sound Level (L_{eq}) is the most common metric used to describe short-term average noise levels. Many noise sources produce levels that fluctuate over time; examples include mechanical equipment that cycles on and off or construction work, which can vary sporadically. The L_{eq} describes the average acoustical energy content of noise for an identified period of time, commonly 1 hour. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustical energy over the duration of the

exposure. For many noise sources, the L_{eq} will vary, depending on the time of day. A prime example is traffic noise, which rises and falls, depending on the amount of traffic on a given street or freeway.

Maximum Sound Level (L_{max}) and **Minimum Sound Level (L_{min})** refer to the maximum and minimum sound levels, respectively, that occur during the noise measurement period. More specifically, they describe the root-mean-square sound levels that correspond to the loudest and quietest 1-second intervals that occur during the measurement.

Percentile-Exceeded Sound Level (L_{xx}) describes the sound level exceeded for a given percentage of a specified period. For example, the L_{50} is the sound level exceeded 50% of the time (such as 30 minutes per hour), and L_{25} is the sound level exceeded 25% of the time (such as 15 minutes per hour). Many municipalities use L_{xx} metrics in their noise ordinances to define permissible noise limits, allowing different noise levels depending on the duration of the noise within a particular hour.

Community Noise Equivalent Level (CNEL) is a measure of the 24-hour average A-weighted noise level that is also time-weighted to "penalize" noise that occurs during the evening and nighttime hours when noise is generally recognized to be more disturbing (because people are trying to rest, relax, and sleep during these times). 5 dBA is added to the L_{eq} during the evening hours of 7 p.m. to 10 p.m.[1], and 10 dBA is added to the L_{eq} during the nighttime hours of 10 p.m. to 7 a.m.[2] and the energy average is then taken for the whole 24-hour day.

Day-Night Sound Level (L_{dn}) is very similar to the CNEL described above. L_{dn} is also a time-weighted average of the 24-hour A-weighted noise level. The only difference is that no "penalty" is applied to the evening hours of 7 p.m. to 10 p.m. 10 dBA is added to the L_{eq} during the nighttime hours of 10 p.m. to 7 a.m.[2] and the energy average is then taken for the whole 24-hour day

It is noted that various federal, state, and local agencies have adopted CNEL or L_{dn} as the measure of community noise. While not identical, CNEL and L_{dn} are normally within 1 dBA of each other when measured in typical community environments, and many noise standards/regulations use the two interchangeably.

2.4 Sound Propagation

When sound propagates over a distance, it changes in both level and frequency content. The manner in which noise is reduced with distance depends on the following important factors.

Geometric Spreading. Sound from a single source (i.e., a "point" source) radiates uniformly outward as it travels away from the source in a spherical pattern. The sound level attenuates (or drops off) at a rate of 6 dBA for each doubling of distance. Highway noise is not a single stationary point source of sound. The movement of vehicles on a highway makes the source of the sound appear to emanate from a line (i.e., a "line" source) rather than from a point. This results in cylindrical spreading rather than the spherical spreading resulting from a point

[1] A 5 dB noise increase is generally considered to be a readily perceptible change in the noise level for a listener.

[2] A 10 dB noise increase is generally perceived as a doubling of the noise level for a listener.

source. The change in sound level (i.e., attenuation or decrease) from a line source is 3 dBA per doubling of distance.

Ground Absorption. Usually the noise path between the source and the observer is very close to the ground. The excess noise attenuation from ground absorption occurs due to acoustic energy losses on sound wave reflection. For acoustically absorptive or "soft" sites (i.e., sites with an absorptive ground surface, such as soft dirt, grass, or scattered bushes and trees), an excess ground attenuation value of 1.5 dBA per doubling of distance is normally assumed. When added to the geometric spreading, the excess ground attenuation results in an overall drop-off rate of 4.5 dBA per doubling of distance for a line source and 7.5 dBA per doubling of distance for a point source.

Atmospheric Effects. Research by the California Department of Transportation (Caltrans 2013) and others has shown that atmospheric conditions can have a major effect on noise levels. Factors include wind, air temperature (including vertical temperature gradients), humidity, and turbulence. Receptors downwind from a source can be exposed to increased noise levels relative to calm conditions, whereas receptors upwind can have lower noise levels. Increased sound levels can also occur over relatively large distances because of temperature inversion conditions (i.e., increasing air temperature with elevation).

Shielding by Natural or Human-Made Features. A large object or barrier in the path between a noise source and a receptor can substantially attenuate noise levels at the receptor. The amount of attenuation provided by this shielding depends on the size of the object, proximity to the noise source and receptor, surface weight, solidity, and the frequency content of the noise source. Natural terrain features (such as hills and dense woods) and human-made features (such as buildings and walls) can substantially reduce noise levels. Walls are often constructed between a source and a receptor with the specific purpose of reducing noise. In addition to the noise that diffracts over the top of a barrier, noise will also diffract around the ends of the barrier leading to "flanking" noise that can reduce the overall efficacy of the barrier. Assuming it is long enough to minimize the effects of flanking noise, a barrier that breaks the line of sight between a source and a receptor will typically result in at least 5 dB of noise reduction. A taller barrier may provide as much as 20 dB of noise reduction.

2.5 Human Response to Noise

Noise-sensitive receptors (also called "receivers") are locations where people reside or where the presence of unwanted sound may adversely affect the use of the land (see Section 2.6, *Noise-sensitive Land Uses*, below). Noise can have a range of effects on people including hearing damage, sleep interference, speech interference, performance interference, physiological responses, and annoyance. Each of these is briefly described below:

Hearing Damage. A person exposed to high noise levels can suffer either gradual or traumatic hearing damage. Gradual hearing loss occurs with repeated exposure to excessive noise levels and is most commonly associated with occupational noise exposures in heavy industry or other very noisy work environments. Traumatic hearing loss is caused by sudden exposure to an extremely high noise level, such as a gunshot or explosion at very close range. The potential for noise-induced hearing loss is not generally a concern in typical community noise environments.

Noise levels in neighborhoods, even in very noisy airport environs, are not sufficiently loud as to cause hearing loss.

Sleep Interference. Exposure to excessive noise levels at night has been shown to cause sleep disturbance. Sleep disturbance refers not only to awakening from sleep, but also to effects on the quality of sleep such as altering the pattern and stages of sleep. World Health Organization (WHO) guidelines recommend noise limits of 30 dBA L_{eq} (8-hour average) for continuous noise and 45 dBA L_{max} for single sound events inside bedrooms at night to minimize sleep disturbance(WHO 1999).

Speech Interference. Speech interference can be a problem in any situation where clear communication is desired, but is often of particular concern in learning environments (such as schools) or situations where poor communication could jeopardize safety. Normal conversational speech inside homes is typically in the range of 50 to 65 dBA (EPA 1977) and any noise in this range or louder may interfere with speech. As background noise levels rise, the intelligibility of speech decreases and the listener will fail to recognize an increasing percentage of the words spoken. A speaker may raise his or her voice in an attempt to compensate for higher background noise levels, but this in turn can lead to vocal fatigue for the speaker.

Performance Interference. Excessive noise has been found to have various detrimental effects on human performance, including information processing, concentration, accuracy, reaction times, and academic performance. Intrusive noise from individual events can also cause distraction. These effects are of obvious concern for learning and work environments.

Physiological Responses. Acute noise has been shown to cause measurable physiological responses in humans, including changes in stress hormone levels, pulse rate, and blood pressure. The extent is to which these responses cause harm or are signs of harm is not clearly defined, but it has been postulated that they could contribute to stress-related diseases, such as hypertension, anxiety, and heart disease. However, research indicates links between environmental noise and permanent health effects are generally weak and inconsistent. Statistically significant health risks have been found for extended exposure to very high noise level, such as for workers exposed to high levels of industrial noise for 5 to 30 years (WHO 1999).

Annoyance. The subjective effects of annoyance, nuisance, and dissatisfaction are possibly the most difficult to quantify and no completely satisfactory method exists to measure these effects. This difficulty arises primarily from differences in individual sensitivity and habituation to sound, which can vary widely from person to person. What one person considers tolerable can be quite unbearable to another of equal hearing acuity. An important tool in estimating the likelihood of annoyance due to a new sound is by comparing it to the existing baseline or "ambient" environment to which that person has adapted. In general, the more the level or tonal (frequency) variations of a sound exceed the previously existing ambient sound level or tonal quality, the less acceptable the new sound will be, as judged by the exposed individual.

In most cases, effects from sounds typically found in the natural environment would be limited to annoyance or interference. Physiological effects and hearing loss would be more commonly associated with manmade noise, such as in an industrial or an occupational setting.

Studies have shown that under controlled conditions in an acoustics laboratory, a healthy human ear is able to discern changes in sound levels of 1 dBA. In the normal environment, the healthy

human ear can detect changes of about 2 dBA; however, it is widely accepted that a doubling of sound energy, which results in a change of 3 dBA in the normal environment, is considered just noticeable to most people. A change of 5 dBA is readily perceptible, and a change of 10 dBA is perceived as being twice as loud. Accordingly, a doubling of sound energy (e.g., doubling the volume of traffic on a highway) resulting in a 3 dBA increase in sound would generally be barely detectable.

2.6 Noise-Sensitive Land Uses

Noise-sensitive land uses typically include, but are not necessarily limited to, residential uses, hospitals, nursing facilities, intermediate care facilities, child educational facilities, libraries, museums, and child care facilities (City of San Diego 2015). Based on their transient residential nature, hotels are considered to be noise-sensitive only during the evening and nighttime hours of 7:00 p.m. to 7:00 a.m. Parks, which are closed during nighttime hours, are considered to be noise sensitive only during their typical operational hours of 6:00 a.m. to 10:30 p.m. Schools, museums, and other institutional uses are also considered to be noise sensitive only during their standard hours of operation.

Chapter 3
Fundamentals of Environmental Vibration

This section describes basic concepts related to groundborne vibration. Groundborne vibration is a small, rapidly fluctuating motion transmitted through the ground. The effects of groundborne vibrations are typically limited to causing nuisance or annoyance to people, but at extreme vibration levels damage to buildings may also occur.

In contrast to airborne sound, groundborne vibration is not a phenomenon that most people experience every day. The ambient groundborne vibration level in residential areas is usually much lower than the threshold of human perception (FTA, 2018). Most perceptible indoor vibration is caused by sources within buildings, such as mechanical equipment while in operation, people moving, or doors slamming. Typical outdoor sources of perceptible groundborne vibration are heavy construction activity (such as blasting, pile driving, or earthmoving), steel-wheeled trains, and traffic on rough roads. If a roadway is smooth, the groundborne vibration from traffic is rarely perceptible, even in locations close to major roads. The strength of groundborne vibration from typical environmental sources diminishes (or attenuates) fairly rapidly over distance.

For the prediction of groundborne vibration, the fundamental model consists of a vibration source, a receptor, and the propagation path between the two. The power of the vibration source and the characteristics and geology of the intervening ground, which affect the propagation path to the receptor, determine the groundborne vibration level and the characteristics of the vibration perceived by the receptor.

The following sections provide an explanation of key concepts and terms used in the analysis of environmental groundborne vibration.

3.1 Frequency and Amplitude

The frequency of a vibrating object describes how rapidly it is oscillating. The unit of measurement for the frequency of vibration is Hz (the same as used in the measurement of noise), which describes the number of cycles per second.

The amplitude of displacement describes the distance that a particle moves from its resting (or equilibrium) position as it oscillates and can be measured in inches. The amplitude of vibration velocity (the speed of the movement) can be measured in inches per second (in/s). The amplitude of vibration acceleration (the rate of change of the speed) can be measured in inches per second.

3.2 Vibration Descriptors

As noted above, there are various way to quantify groundborne vibration based on its fundamental characteristics. Because vibration can vary markedly over a short period of time, various descriptors have been developed to quantify vibration. The two most common descriptors used in the analysis of groundborne vibration are vibration velocity level and peak particle velocity, each of which are described below:

Peak Particle Velocity (PPV) is defined as the maximum instantaneous positive or negative peak amplitude of the vibration velocity. The unit of measurement for PPV is inches per second (in/s). Unlike many quantities used in the study of environmental acoustics, PPV is typically presented using linear values and does not employ a dB scale. Because it is related to the stresses that are experienced by buildings, PPV is generally accepted as the most appropriate descriptor for evaluating the potential for building damage (both the Federal Transit Administration (FTA) and Caltrans guidelines recommend using PPV for this purpose). It is also used in many instances to evaluate the human response to groundborne vibration (Caltrans guidelines recommend using PPV for this purpose).

Vibration Velocity Level (L_V) describes the root-mean-square[3] vibration velocity. Due to the typically small amplitudes of groundborne vibrations, vibration velocity is often expressed in decibels, calculated as follows.

$$L_V = 20 \times \log_{10}\left(\frac{V}{V_{ref}}\right)$$

where V is the actual root mean square (rms) velocity amplitude and V_{ref} is the reference velocity amplitude. It is important to note that there is no universally accepted value for V_{ref}, but the accepted reference quantity for vibration velocity in the United States is 1 micro-inch per second (1×10^{-6} in/s). The abbreviation VdB is commonly used for vibration decibels to distinguish from noise level decibels. L_V is often used to evaluate human response to vibration levels (FTA guidelines recommend using L_V for this purpose).

3.3 Vibration Propagation

Vibration energy spreads out as it travels through the ground, causing the vibration level to diminish with distance away from the source. High-frequency vibrations reduce much more rapidly than low frequencies so that low frequencies tend to dominate the spectrum at large distances from the source. The propagation of groundborne vibration is more complex than the propagation of airborne noise. This is due to the fact that noise in the air travels through a relatively uniform medium, while groundborne vibrations travel through the earth which may contain significant geological differences. Geological factors that influence the propagation of groundborne vibration include the following:

Soil Conditions. The type of soil is known to have a strong influence on the levels of groundborne vibration. Among the most important factors are the stiffness and internal damping of the soil. Hard, dense, and compacted soil, stiff clay soil, and hard rock transmit vibration more efficiently than loose, soft soils, sand, or gravel.

Depth to bedrock. Shallow depth to bedrock has been linked to efficient propagation of groundborne vibration. One possibility is that shallow bedrock acts to concentrate the vibration energy near the surface, reflecting vibration waves back toward the surface that would otherwise continue to propagate farther down into the earth.

[3] Root-mean-square (rms) is defined as the average of the squared amplitude of the vibration signal.

Soil strata. Discontinuities in the soil strata (i.e., soil layering) can also cause diffractions or channeling effects that affect the propagation of vibration over long distances.

Frost conditions. Vibration waves typically propagate more efficiently in frozen soils than in unfrozen soils. Propagation also varies depending on the depth of the frost.

Water conditions. The amount of water in the soil can effect vibration propagation. The depth of the water table in the path of the propagation also appears to have substantial effects on groundborne vibration levels.

Specific conditions at the source and receiver locations can also effect the vibration levels. For instance, how the source is connected to the ground (e.g., direct contact, through rails, or via a structure) will affect the amount of energy transmitted into the ground. There are also notable differences when the source is underground (such as in a tunnel) versus on the surface. At the receiver, vibration levels can be affected by variables such as the foundation type, the building construction, and the acoustical absorption inside the rooms where people are located. When vibration encounters a building, a ground-to-foundation coupling loss will usually reduce the overall vibration level. However, under certain circumstances, the ground-to-foundation coupling may also amplify the vibration level due to structural resonances of the floors and walls.

3.4 Effects of Groundborne Vibration

Vibration can result in effects that range from annoyance to structural damage. Annoyance or disturbance of people may occur at vibration levels substantially below those that would pose a risk of damage to buildings. Each of these effects is discussed below.

3.4.1 Potential Building Damage

When groundborne vibration encounters a building, vibrational energy is transmitted to the structure causing it to vibrate, and, if the vibration levels are high enough, damage to the building may occur. Depending on the type of building and the vibration levels this damage could range from cosmetic architectural damage (e.g., cracked plaster, stucco, or tile) to more severe structural damage (e.g., cracking of floor slabs, foundations, columns, beams, or wells). Buildings can typically withstand higher levels of vibration from transient sources than from continuous or frequent intermittent sources. Transient sources are those that create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment. Older, fragile buildings (which may include important historical buildings) are of particular concern. Modern commercial and industrial buildings can generally withstand much higher vibration levels before potential damage becomes a problem.

3.4.2 Human Disturbance or Annoyance

Groundborne vibration can be annoying to people and can cause serious concern for nearby neighbors of vibration sources, even when vibration is well below levels that could cause physical damage to structures. Groundborne vibration is almost exclusively a concern inside buildings and is rarely perceived as a problem outdoors, where the motion may be discernible, but there is less

adverse reaction without the effects associated with the shaking of a building. The normal frequency range of most groundborne vibration that can be felt generally starts from a low frequency of less than 1 Hz to a high of about 200 Hz.

When groundborne vibration waves encounter a building, vibrational energy is transmitted to the building foundation and then propagates throughout the remainder of the structure causing building surfaces (walls, floors, and ceilings) to vibrate. This movement may be felt directly by building occupants and may also generate a low-frequency rumbling noise as sound waves are radiated by the vibrating surfaces. At higher frequencies, building vibration can cause other audible effects such as rattling of windows, building fixtures, or items on shelves or hanging on walls. These audible effects due to groundborne vibration are referred to as groundborne noise. Groundborne vibration levels that result in groundborne noise are often experienced as a combination of perceptible vibration and low-frequency noise. However, sources that have the potential to generate groundborne noise are likely to produce airborne noise impacts that mask the radiated groundborne noise. Any perceptible effect (vibration or groundborne noise) can lead to annoyance. The degree to which a person is annoyed depends on the activity in which they are participating at the time of the disturbance. For example, someone sleeping or reading will be more sensitive than someone who is engaged in any type of physical activity. Reoccurring vibration effects often lead people to believe that the vibration is damaging their home, although vibration levels are well below minimum thresholds for damage potential (Caltrans 2020).

Numerous studies have been conducted to characterize the human response to vibration, and, over the years, numerous vibration criteria and standards have been suggested by researchers, organizations, and governmental agencies. These studies suggest that the thresholds for perception and annoyance vary according to duration, frequency, and amplitude of vibration. For transient vibration sources (single isolated vibration events such as blasting), the human response to vibration varies from barely perceptible at a PPV of 0.04 in/s, to distinctly perceptible at a PPV of 0.25 in/s, and severe at a PPV of 2.0 in/s. For continuous or frequent intermittent vibration sources (such as impact pile driving or vibratory compaction equipment), the human response to vibration varies from barely perceptible at a PPV of 0.01 in/s, to distinctly perceptible at a PPV of 0.04 in/s, and severe at a PPV of 0.4 in/s (Caltrans 2020).

3.5 Vibration-Sensitive Land Uses

As discussed above, the potential effects of groundborne vibration can be divided into two categories: building damage and potential human annoyance. Because building damage would be considered a permanent negative effect at any building, regardless of land use, any type of building would typically be considered sensitive to this type of impact. Fragile structures, which often include historical buildings, are most susceptible to damage and are of particular concern.

Land uses that would be considered sensitive to human annoyance caused by vibration are generally the same as those that would be sensitive to noise and would typically include residential uses, hospitals, nursing facilities, intermediate care facilities, child educational facilities, libraries, museums, and child care facilities. It is noted, however, that vibration effects are typically only considered inside occupied buildings and not at outside areas such as residential yards, parks, or open space. Based on their transient residential nature, hotels are considered to be sensitive to human annoyance effects from vibration only during the evening and nighttime hours of 7:00 p.m. to

7:00 a.m. Schools, museums, and other institutional uses are considered to be sensitive to human annoyance effects from vibration only during their standard hours of operation.

Chapter 4
Existing Conditions

The study area considered in the analysis is quite large, extending from Coronado in the west to Barrio Logan in the east. As such, the existing noise environment and the dominant noise sources vary considerably. Existing noise levels are affected by contributions from a wide range of sources including the following:

- Transportation sources such as traffic, aircraft (civilian and military), watercraft (recreational, commercial, and military), and rail (passenger, freight, and trolley).
- Industrial activities including ship building and repair, cargo-handling and other marine terminal activity, and manufacturing operations.
- Local pedestrian traffic and park users.
- Typical neighborhood noise sources such as barking dogs and landscaping activity.

All of the land uses immediately adjacent to the proposed project site are industrial or commercial and would not be considered noise-sensitive. The closest existing noise-sensitive receivers are over 1,000 feet away. These include hotels and Coronado Tidelands Park to the west on Coronado Island, Cesar Chavez Park to the northwest, Perkins Elementary School to the north, and homes to the north and northwest. Sensitive receivers to the east and south are even farther away due to the separation provided by commercial/industrial zones and San Diego Bay.

4.1 Noise Monitoring

In order to document the existing ambient noise conditions, noise monitoring was conducted at five locations in the project vicinity between January 7 and January 9, 2019. Long-term noise monitoring (24 hours or more) was conducted at three locations, designated LT1, LT2, and LT3; and short-term noise monitoring (20 minutes in duration) was conducted at two locations, designated ST1 and ST2. Long-term measurement sites were selected to represent land uses that are noise sensitive 24 hours per day (homes) or at nighttime (a hotel). Short-term measurement sites were selected to represent land uses with primarily daytime noise sensitivity (a park and a school). All measurement locations are indicated on Figure 4-1. The sound level meters (SLM) used for both the long- and short-term noise monitoring were field-calibrated prior to each measurement to ensure accuracy, using a Larson Davis CAL200 acoustical calibrator; the calibration was also rechecked at the conclusion of each measurement. All measurement microphones were fitted with a wind screen to reduce the effects of wind-related interference. All acoustical instruments are maintained to manufacturer specifications, in accordance with American National Standards Institute (ANSI) standard S1.4-2014. Field noise survey sheets are provided in Appendix A.

Figure 4-1. Ambient Noise Monitoring Locations



4.1.1 Long-Term Noise Measurements

Long-term ambient noise measurements were conducted between January 7 and January 9, 2019, at three locations. Measurements LT1 and LT2 were obtained using Piccolo SLM-P3 Type 2 sound level meters. Measurement LT3 was obtained using a Rion NL-21 Type 2 SLM. Hourly noise data was collected continuously at each measurement site for approximately 41 to 46 hours. Daily noise levels in terms of CNEL were also calculated from the hourly sound level data. Table 4-1 summarizes the results of the long-term noise measurements. The table indicates the range of measured CNEL values and hourly average (L_{eq}) noise levels. The range of hourly L_{eq} values is reported separately for the daytime (7 a.m. to 7 p.m.) and evening/nighttime (7 p.m. to 7 a.m.) periods; the overall L_{eq} value for each time period is also reported. Each of the long-term noise measurement locations is briefly described below:

LT1 was at the northeast corner of Coronado Tidelands Park, approximately 90 feet west of San Diego Bay and 50 feet south of guest accommodations at the Coronado Island Marriott Resort and Spa.

LT2 was in the parking lot at the southwest corner of the Mercado Apartments at 2001 Newton Avenue. These apartments are the closest residential receptors north of the project site.

LT3 was in the yard of a single-family residence at 2644 Boston Avenue. This location was representative of the closest residential neighborhood to the northeast of the project site.

4.1.2 Short-Term Noise Measurements

Short-term noise measurements were taken at two locations on Monday, January 7, and Wednesday, January 9, 2019. Measurements ST1 and ST2 were obtained using a Larson Davis LxT1 Type 1 SLM. Each measurement lasted approximately 20 minutes and was conducted with the meter mounted on a tripod at a height of 5 feet above the ground. Noise metrics were recorded subsequent to the conclusion of each measurement. Data from the measurements are shown in Table 4-1. Each of the short-term noise measurement locations is briefly described below:

ST1 was near the southeast corner of the Cesar Chavez Park Soccer field, approximately 105 feet northwest of the curb of Cesar E. Chavez Parkway.

ST2 was on the sidewalk adjacent to the southeast corner of Perkins Elementary School campus, near the intersection of Beardsley Street and Main Street.

Table 4-1. Summary of Noise Measurement Results

Site#	Location	Date	Range of CNEL (dB)	Time of Day	Range of Hourly L_{eq} Values (average, dBA)
LT1	Coronado Tidelands Park	1/7/19 to 1/9/19	63.0–65.6	Daytime (7 a.m. to 7 p.m.)	54.7–62.3 (59.5)
				Evening/Nighttime (7 p.m. to 7 a.m.)	51.3–61.7 (57.8)
LT2	Mercado Apartments	1/7/19 to 1/9/19	68.5–69.4	Daytime (7 a.m. to 7 p.m.)	59.1–65.7 (62.7)
				Evening/Nighttime (7 p.m. to 7 a.m.)	56.6–66.1 (61.9)
LT3	2644 Boston Ave.	1/7/19 to 1/9/19	61.0–62.0	Daytime (7 a.m. to 7 p.m.)	53.2–60.9 (56.5)
				Evening/Nighttime (7 p.m. to 7 a.m.)	50.4–58.6 (54.5)
ST1	Cesar Chavez Park	1/7/19	N/A	2:47 p.m. to 3:07 p.m.	58.5
ST2	Perkins Elementary School	1/9/19	N/A	9:47 a.m. to 10:07 a.m.	61.2

Source: ICF field noise measurements (see Appendix A)
CNEL = community noise equivalent level; dB = decibels; Leq = equivalent sound levels; dBA = A-weighted decibels.

Chapter 5
Applicable Laws and Regulations

The District does not have its own noise or vibration standards and does not currently maintain formal impact thresholds for assessing potential impacts under the California Environmental Quality Act (CEQA). The following sections discuss various laws, regulations, and guidelines that may apply to the proposed project or that are otherwise useful in developing thresholds of impact for the proposed project.

There are no federal noise regulations that apply directly to the proposed project.

5.1 State Regulations

5.1.1 California Department of Transportation

None of the local laws and regulations discussed below provide any quantitative criteria regarding groundborne noise and vibration. Therefore, while the proposed project would not be subject to Caltrans oversight, guidance published by the agency nonetheless provides groundborne vibration criteria that are useful in establishing thresholds of impact. Caltrans' widely referenced *Transportation and Construction Vibration Guidance Manual* (Caltrans 2020) provides guidance for two types of potential impact: (1) damage to structures, and (2) annoyance to people. Guideline criteria for each are provided in Tables 5-1 and 5-2.

Table 5-1. Caltrans Guideline Vibration Damage Criteria

	Maximum PPV (in/s)	
Structure and Condition	**Transient Sources**	**Continuous/Frequent Intermittent Sources**
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Source: Caltrans 2020.

Note: Transient sources create a single isolated vibration event, such as blasting or drop balls.
Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

PPV = peak particle velocity; in/s = inches per section.

Table 5-2. Caltrans Guideline Vibration Annoyance Criteria

Human Response	Maximum PPV (in/s)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Barely perceptible	0.04	0.01
Distinctly perceptible	0.25	0.04
Strongly perceptible	0.9	0.10
Severe	2.0	0.4

Source: Caltrans 2020.

Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

PPV = peak particle velocity; in/s = inches per section.

5.2 Local

The following discussion of local regulations includes a summary of all standards and guidelines that might typically be used to assess noise and vibration from project construction and operations. As discussed elsewhere in this report, the proposed project is primarily a construction project without substantial changes to facility operations and, as such, noise and vibration from project operations are discussed qualitatively. As a result, a number of the following regulations are not used for any quantitative assessment of impact contained in this report. These regulations, which are provided for reference only, include the *City of San Diego General Plan*, portions of the *City of San Diego Significance Determination Thresholds* (Noise from Adjacent Stationary Uses and Noise/Land Use Compatibility), and the *City of Coronado General Plan*.

5.2.1 Port of San Diego Port Master Plan

The proposed project is within the jurisdiction of the District. Key noise-related policies in the Port Master Plan are described below.

Planning Goals

Section II of the Port Master Plan sets forth goals and related policies for development and operation of land within the District's jurisdiction.

> **Goal VIII.** The Port District will enhance and maintain the bay and tidelands as an attractive physical and biological entity.
>
> - Establish guidelines and standards facilitating the retention and development of an aesthetically pleasing tideland environment free of noxious odors, excessive noise, and hazards to the health and welfare of the people of California.

5.2.2 City of San Diego General Plan

The City of San Diego General Plan, Noise Element, provides information, goals, and policies related to the noise environment within the City. The Noise Element presents Land Use – Noise Compatibility Guidelines for the compatibility of various land uses with different noise exposures, defined using the CNEL. There are three different tiers of compatibility: (1) Compatible, (2) Conditionally Compatibility, and (3) Incompatible. The compatibility is described in Table NE-3, which is reproduced below as Table 5-3. Referring to the table, hotels ("Visitor Accommodations") are compatible with an exterior noise exposure of up to 60 dB CNEL, and conditionally compatible with an exterior noise exposure of up to 75 dB CNEL. The building structure must reduce interior noise levels to 45 dB CNEL or less.

Table 5-3. City of San Diego General Plan Land Use – Noise Compatibility Guidelines

Land Use Category	Exterior Noise Exposure (dBA CNEL) 60	65	70	75
Parks and Recreational				
Parks, Active and Passive Recreation				
Outdoor Spectator Sports, Golf Courses; Water Recreational Facilities; Indoor Recreation Facilities				
Agricultural				
Crop Raising & Farming; Community Gardens, Aquaculture, Dairies; Horticulture Nurseries & Greenhouses; Animal Raising, Maintain & Keeping; Commercial Stables				
Residential				
Single Dwelling Units; Mobile Homes		45		
Multiple Dwelling Units **For uses affected by aircraft noise, refer to Policies NE-D.2. & NE-D.3.*		45	45*	
Institutional				
Hospitals; Nursing Facilities; Intermediate Care Facilities; Kindergarten through Grade 12Educational Facilities; Libraries; Museums; Child Care Facilities		45		
Other Educational Facilities including Vocational/Trade Schools and Colleges and Universities		45	45	
Cemeteries				
Retail Sales				
Building Supplies/Equipment; Food, Beverages & Groceries; Pets & Pet Supplies; Sundries Pharmaceutical, & Convenience Sales; Wearing Apparel & Accessories			50	50
Commercial Services				
Building Services; Business Support; Eating & Drinking; Financial Institutions; Maintenance & Repair; Personal Services; Assembly & Entertainment (includes public and religious assembly); Radio & Television Studios; Golf Course Support			50	50
Visitor Accommodations		45	45	45
Offices				
Business & Professional; Government; Medical, Dental & Health Practitioner; Regional & Corporate Headquarters			50	50
Vehicle and Vehicular Equipment Sales and Services Use				
Commercial or Personal Vehicle Repair & Maintenance; Commercial or Personal Vehicle Sales & Rentals; Vehicle Equipment & Supplies Sales & Rentals; Vehicle Parking				
Wholesale, Distribution, Storage Use Category				
Equipment & Materials Storage Yards; Moving & Storage Facilities; Warehouse; Wholesale Distribution				
Industrial				
Heavy Manufacturing; Light Manufacturing; Marine Industry; Trucking & Transportation Terminals; Mining & Extractive Industries				
Research & Development				50

	Compatible	**Indoor Uses**	Standard construction methods should attenuate exterior noise to an acceptable indoor noise level. Refer to Section I.
		Outdoor Uses	Activities associated with the land use may be carried out.
45, 50	**Conditionally Compatible**	**Indoor Uses**	Building structure must attenuate exterior noise to the indoor noise level indicated by the number (45 or 50) for occupied areas. Refer to Section I.
		Outdoor Uses	Feasible noise mitigation techniques should be analyzed and incorporated make the outdoor activities acceptable. Refer to Section I.
	Incompatible	**Indoor Uses**	New construction should not be undertaken.
		Outdoor Uses	Severe noise interference makes outdoor activities unacceptable.

Source: Table NE-3, City of San Diego General Plan, Noise Element

5.2.3 City of San Diego Municipal Code 59.5.0401 (Noise Ordinance)

The Noise Ordinance makes it unlawful for any person to cause noise by any means to the extent that the 1-hour L_{eq} exceeds the applicable limit given in Table 5-4 at any location in the City of San Diego on or beyond the boundaries of the property on which the noise is produced.

Table 5-4. City of San Diego Noise Limits

Land Use	Time of Day	1-Hour L_{eq} (dBA)
Single Family Residential	7 a.m. to 7 p.m.	50
	7 p.m. to 10 p.m.	45
	10 p.m. to 7 a.m.	40
Multi-Family Residential (up to a maximum density of 1/2,000)	7 a.m. to 7 p.m.	55
	7 p.m. to 10 p.m.	50
	10 p.m. to 7 a.m.	45
All other Residential	7 a.m. to 7 p.m.	60
	7 p.m. to 10 p.m.	55
	10 p.m. to 7 a.m.	50
Commercial	7 a.m. to 7 p.m.	65
	7 p.m. to 7 a.m.	60
Industrial or Agricultural	Any time	75

Source: City of San Diego Municipal Code.

Note: The sound level limit at a location on a boundary between two zoning districts is the arithmetic mean of the respective limits for the two districts.

5.2.4 City of San Diego Municipal Code 59.5.0404 (Construction Noise)

The City's Noise Ordinance also regulates construction noise levels. Specifically, construction that creates disturbing, excessive, or offensive noise is prohibited between 7:00 p.m. of any day and 7:00 a.m. of the following day, and on legal holidays as specified in Section 21.04 of the San Diego Municipal Code, with exception of Columbus Day and Washington's Birthday, and on Sundays unless a permit is granted by the Noise Abatement and Control Administrator.

In granting a permit, the Administrator must consider whether the construction noise in the vicinity of the proposed work site would be less objectionable at night than during the daytime because of different population densities or different neighboring activities; whether obstruction and interference with traffic particularly on streets of major importance, would be less objectionable at night than during the daytime; whether the type of work to be performed emits noises at such a low level as to not cause significant disturbances in the vicinity of the work site; the character and nature of the neighborhood of the proposed work site; whether great economic hardship would occur if the work were spread over a longer time; whether proposed night work is in the general public interest; and he shall prescribe such conditions, working times, types of construction equipment to be used, and permissible noise levels as he deems to be required in the public interest.

Except under special circumstances related to emergency work as detailed in the Noise Ordinance, construction activity that creates an average sound level greater than 75 dB during the 12-hour period from 7:00 a.m. to 7:00 p.m. at or beyond the property lines of any property zoned residential is prohibited by ordinance.

5.2.5 City of San Diego Significance Determination Thresholds

The City of San Diego's CEQA Significance Determination Thresholds outline the criteria and thresholds used by the City to determine whether project impacts are significant (City of San Diego 2016). The District has not adopted these City Significance Thresholds. However, the significance determination thresholds for traffic noise are useful in assessing impacts related to construction traffic for the proposed project. Other City Significance Thresholds are not used in the proposed project assessment but are included below for reference only.

Interior and Exterior Noise Impacts from Traffic-generated Noise

The City's traffic noise significance thresholds are reproduced below as Table 5-5.

Table 5-5. City of San Diego CEQA Significance Determination Thresholds, Traffic Noise

Structure or Proposed Use that Would Be Impacted by Traffic Noise	Interior Space (CNEL)	Exterior Usable Space[1] (CNEL)	General Indication of Potential Significance
Single-Family Detached	45 dB	65 dB	Structure or outdoor usable area[2] is <50 feet from the center of the closest (outside) lane on a street with existing or future ADT >7,500
Multi-Family, Schools, Libraries, Hospitals, Day Care, Hotels, Motels, Parks, Convalescent Homes	Development Services Department ensures 45 dB pursuant to Title 24	65 dB	
Offices, Churches, Business, Professional Uses	N/A	70 dB	Structure or outdoor usable area is <50 feet from the center of the closest lane on a street with existing or future ADT of >20,000
Commercial, Retail, Industrial, Outdoor Spectator Sports Uses	N/A	75 dB	Structure or outdoor usable area is <50 feet from the center of the closest lane on a street with existing or future ADT of >40,000

Source: City of San Diego 2016, Table K-2.

[1] If a project is currently at or exceeds the significance thresholds for traffic noise described above, and noise levels would result in less than a 3 dB increase, then the impact is not considered significant.

[2] Exterior usable areas do not include residential front yards or balconies, unless the areas such as balconies are part of the required usable open space calculation for multi-family units.

CNEL = Community Noise Equivalent Level; dB = decibels; ADT = average daily traffic.

Noise from Adjacent Stationary Uses (Noise Generators)

Regarding adjacent stationary uses, the City's CEQA Significance Determination Thresholds defer primarily to the standards contained in the City's municipal code (Section 59.5.0401, discussed above) to provide quantitative noise limits. In addition, the Significance Determination Thresholds state that a noise level above 65 dB CNEL at a residential property line could be considered a significant environmental impact.

Temporary Construction Noise

Regarding temporary construction noise, the City's CEQA Significance Determination Thresholds defer to the standards contained in the City's municipal code (Section 59.5.0404, discussed above) to provide quantitative noise limits.

Noise/Land Use Compatibility

The City's CEQA Significance Determination Thresholds state that noise is one factor to be considered in determining whether a land use is compatible. Noise/land use compatibility is presented in the CEQA Significance Determination Thresholds as a chart, which is reproduced below as Table 5-6. Compatible land uses are shaded and incompatible land uses are unshaded. The CEQA Significance Determination Thresholds indicate that "the transition zone between compatible and incompatible should be evaluated by the environmental planner to determine whether the use would be acceptable based on all available information and the extent to which the noise from the proposed project would affect the surrounding uses."

Table 5-6. San Diego CEQA Significance Determination Thresholds Noise Land Use Compatibility Chart

	Land Use	Annual CNEL (dB)					
		50	55	60	65	70	75
1	Outdoor amphitheaters						
2	Schools, libraries						
3	Nature preserves, wildlife preserves						
4	Residential single-family, multi-family, mobile homes, transient housing						
5	Retirement homes, intermediate care facilities, convalescent homes						
6	Hospitals						
7	Parks, playgrounds						
8	Office buildings, business and professional						
9	Auditoriums, concert halls, indoor arenas, churches						
10	Riding stables, water recreation facilities						
11	outdoor spectator sports, golf courses						
12	livestock farming, animal breeding						
13	Commercial-retail, shopping centers, restaurants, movie theaters						
14	Commercial-wholesale, industrial manufacturing, utilities						
15	Agriculture (except livestock), extractive industry, farming						
16	Cemeteries						

5.2.6 City of Coronado General Plan

The City of Coronado General Plan, Noise Element, provides information, goals, and policies related to the noise environment within the City. The Noise Element describes the noise sensitivity of various land uses in terms of how acceptable different noise exposures are for various land uses, defined using the CNEL. There are four different tiers of compatibility: (1) Clearly Acceptable,

(2) Normally Acceptable, (3) Normally Unacceptable, and (4) Clearly Unacceptable. The guidelines are illustrated in Figure 2 of the General Plan, which is reproduced, below, as Table 5-7.

Table 5-7. City of Coronado Noise Sensitivity of Land Use

	CNEL Value					
Land Use	**45**	**55**	**65**	**75**	**85**	**95**
Mobile Homes						
Single Family, Townhouses, Apartments						
High Rise Residence						
Hotels, Motels						
Schools, Churches, Libraries						
Auditoriums, Concert Halls						
Parks, Playgrounds						
Golf Courses, Riding Stables						
Offices						
Commercial-Retail, Movie Theaters, Restaurants						
Commercial-Wholesale, Some Retail, Manufacturing						
Livestock Farming						
Other Farming						

	Clearly Acceptable
	Normally Acceptable
	Normally Unacceptable
	Clearly Unacceptable

Source: City of Coronado General Plan, Noise Element, Figure 2.

5.2.7 City of Coronado Municipal Code 41.10.010 (Noise Ordinance)

The Noise Ordinance makes it unlawful for any person to cause noise by any means to the extent that the 1-hour L_{eq} exceeds the applicable limit given in Table 5-8 at any location in the City of Coronado on or beyond the boundaries of the property on which the noise is produced.

Table 5-8. City of Coronado Noise Limits

Land Use Zone	Time of Day	1-Hour L_{eq} (dBA)
All R-1A; R-1B (Single-Family Residential)	7 a.m. to 7 p.m.	50
	7 p.m. to 10 p.m.	45
	10 p.m. to 7 a.m.	40
All R-3; R-4; R-PCD; and R-5 (Multi-Family Residential and Planned Community Development Residential)	7 a.m. to 7 p.m.	55
	7 p.m. to 10 p.m.	50
	10 p.m. to 7 a.m.	45
Commercial (C); Commercial Recreation (C-R); Hotel/Motel (HM); Civic Use (C-U); Open Space (OS); and Parking Overlay (P-1)	7 a.m. to 10 p.m.	60
	10 p.m. to 7 a.m.	50

Source: City of Coronado Municipal Code

Note: The sound level limit at a location on a boundary between two zoning districts is the arithmetic mean of the respective limits for the two districts.

5.2.8 City of Coronado Municipal Code 41.10.040 and 41.10.050 (Construction Noise)

The Municipal Code regulates both the permissible times of construction activities and the noise levels that these activities can generate. Section 41.10.040 provides a construction noise curfew that prohibits construction between 7:00 p.m. and 7:00 a.m. on any day or on legal holidays and Sundays in such a manner as to create a disturbing, excessive, or offensive noise (unless a noise control permit has been applied for and granted beforehand by the Noise Control Officer). Section 41.10.050 provides construction noise limits, making it unlawful for any person to conduct any construction activity so as to cause, at or within the property lines of any property zoned residential, an average sound level greater than 75 dBA during a 1-hour period any time between 7:00 a.m. and 7:00 p.m. (unless a variance has been applied for and granted by the Noise Control Officer.)

Chapter 6
Analysis Methodology and Thresholds of Impact

6.1 Construction Analysis Methodology

The evaluation of potential noise and vibration impacts associated with project construction activities was based on the proposed construction equipment schedule and phasing information provided by the project proponent.

6.1.1 Construction Noise

Construction-related noise was analyzed using data and modeling methodologies from the Federal Highway Administration's (FHWA's) Roadway Construction Noise Model (RCNM) (FHWA 2008), which predicts average noise levels at nearby receptors by analyzing the type of equipment, the distance from source to receptor, usage factor,[4] and the presence or absence of intervening shielding between source and receptor. This methodology calculates the composite average noise levels for multiple equipment items scheduled during each construction phase. The source-to-receptor distances used in the analyses were the acoustical average distances between the relevant construction area and each receptor. The acoustical average distance is used to represent noise sources that are mobile or distributed over an area (such as the project site); it is calculated by multiplying the shortest distance between the receiver and the noise source area by the farthest distance and then taking the square root of the product. Table 6-1 provides the noise levels of construction equipment expected to be used by the proposed project; the noise levels are provided for a reference distance of 50 feet.

Noise levels for each phase of construction were analyzed at five receptors (R1 through R5) in the project vicinity. These represent the closest noise-sensitive receptors to the project site. Each receptor is in proximity to one of the long-term or short-term measurement locations illustrated in Figure 4-1, and the corresponding noise measurement data is used to establish ambient noise levels for each receptor. The receptors, land uses, and corresponding ambient noise measurement locations are summarized in Table 6-2. The distance from each receptor to the nearest project boundary is also noted. Receptor R1 on Coronado Island is used to represent two different noise-sensitive land uses: Coronado Tidelands Park and the adjacent hotel (Coronado Island Marriott Resort and Spa). The remaining receptor locations are all located in the City of San Diego. R2 represents the closest park (Cesar Chavez Park); R3 represents the closest school (Perkins Elementary); R4 represents the closest multi-family homes (the Mercado Apartments); and R5 represents the closest single-family homes (on Boston Avenue).

For pile driving or extraction activity an attenuation rate of 6 dB per doubling of distance from the source was assumed for all receivers. This is generally expected to be a conservative assumption because it neglects any acoustical shielding or excess attenuation that may occur (such as may be provided by existing buildings, topography, and ground conditions); this assumption was

[4] Usage Factor is the fraction of time the equipment is operating in its noisiest mode while in use.

determined based on the elevated noise source height that is typical of much pile driving activity. An attenuation rate of 6 dB per doubling of distance was also assumed for all other construction activity affecting R1 due to the open water between the project site and Coronado Island. 6 dB per doubling of distance is representative for noise propagation across open water because it is based purely on geometric spreading and does not assume noise reduction due to any other factors including ground absorption, air absorption, or barrier effects. For all other receivers, noise from non-pile driving or extraction activity was assumed to attenuate at a rate of 7.5 dB per doubling of distance. The excess attenuation (1.5 dB per doubling of distance) was selected to represent the combined effects of existing buildings, topography, and ground effects between the project site and each of the receivers.

In order to estimate increases over ambient noise levels due to construction activities, the construction noise levels were compared to the corresponding measured noise levels. For locations where short-term ambient noise levels were measured, the ambient L_{eq} was used as the basis for comparison. For locations where long-term noise measurements were obtained, the average L_{eq} measured across all of the corresponding hours (i.e., daytime or nighttime) was used as the basis for comparison.

Table 6-1. Construction Equipment Noise Levels

Equipment Item	Maximum Noise Level (L_{max}) at 50 feet, dBA[1]	Usage Factor[1,2]	Average Noise Level (L_{eq}) at 50 feet, dBA
Backhoe	77.6	0.4	73.6
Crane	80.6	0.16	72.6
Dredge	81.0	0.3	75.8
Forklift	79.1	0.4	75.1
Generator	80.6	0.5	77.6
Impact Pile Driver	101.3	0.2	94.3
Loader	79.1	0.4	75.1
Material Barge	82.0	0.3	76.8
Other Construction Equipment	79.1	0.4	75.1
Other Material Handling Equipment	85.2	0.5	82.2
Scow/Barge	82.0	0.3	76.8
Survey Vessel	82.0	0.3	76.8
Tug boat	82.0	0.3	76.8
Vibratory Pile Driver/Extractor	100.8	0.2	93.8
Welder	74.0	0.4	70.0

[1] Obtained or estimated from FHWA 2008 (RCNM) and Port of Long Beach 2009

[2] Usage Factor is the fraction of time the equipment is operating in its noisiest mode while in use. L_{eq} is estimated from L_{max} using the following equation: $L_{eq} = L_{max} + 10 \times \log_{10}$ (Usage Factor).

L_{max} = maximum sound level; L_{eq} = equivalent sound level; dBA = A-weighted decibels.

Table 6-2. Summary Description of Analyzed Receiver Locations

Receiver	Represented Land Use(s)	Corresponding Ambient Noise Measurement	Location (city)	Distance to Nearest Project Boundary (feet)
R1	Coronado Tidelands Park Coronado Island Marriott Resort and Spa	LT1	Coronado	5,000
R2	Cesar Chavez Park	ST1	San Diego	1,700
R3	Perkins Elementary School	ST2	San Diego	2,550
R4	Mercado Apartments	LT2	San Diego	1,180
R5	Boston Ave Homes	LT3	San Diego	1,500

6.1.2 Construction Vibration

Construction-related vibration was analyzed using data and modeling methodologies provided by Caltrans' *Transportation and Construction Vibration Guidance Manual* (Caltrans 2020). This guidance manual provides typical vibration source levels for various types of construction equipment, as well as methods for estimating the propagation of groundborne vibration over distance. Table 6-3 provides the PPV associated with the worst-case construction equipment expected to be used by the proposed project; the levels are provided for a reference distance of 25 feet.

Table 6-3. Construction Equipment Vibration Levels

Equipment Item	Reference PPV at 25 feet (in/s)[1]
Impact pile driver	0.65
Vibratory pile driver	0.65
Large bulldozer[2]	0.089

[1] Obtained from Caltrans 2020.

[2] Considered representative of other heavy earthmoving equipment such as excavators, graders, backhoes, etc.

PPV = peak particle vibration; in/s = inches per second.

The following equations from the guidance manual were used to estimate the change in PPV levels over distance. For impact pile driving, the equation is:

$$PPV_{rec} = PPV_{ref} \times (25/D)^{n} \times (E_{equip}/E_{ref})^{0.5}$$

where PPV_{rec} is the PPV at a receiver; PPV_{ref} is the reference PPV at 25 feet from the pile driver; D is the distance from the pile driver to the receiver, in feet; n is a value related to the vibration attenuation rate through ground (the default recommended value for n is 1.1); E_{ref} is 36,000 foot-pounds (rated energy of reference pile driver); and E_{equip} is the rated energy of the actual impact pile driver in foot-pounds. (For the purposes of the analysis, it is assumed that the pile driver would be very similar to the reference pile driver and there would, therefore, be no adjustment for E_{equip}.)

For other equipment including vibratory pile drivers and heavy earthmoving equipment (such as excavators, graders, and backhoes), the equation is:

$$PPV_{rec} = PPV_{ref} \times (25/D)^n$$

where PPV_{rec} is the PPV at a receptor; PPV_{ref} is the reference PPV at 25 feet from the equipment; D is the distance from the equipment to the receiver, in feet; and n is a value related to the vibration attenuation rate through ground (the default recommended value for n is 1.1).

6.2 Operational Analysis Methodology

The general types of onsite operational activities (i.e., vessel service and repair) would remain the same as those that currently occur, and the overall intensity of the operations would not increase. In addition the closest noise-sensitive receptors are 1,200 feet or more away from the project site. As a result, a quantitative analysis of operational noise and vibration levels is not necessary and operational effects are discussed qualitatively.

6.3 Thresholds of Significance

The following significance criteria are based on Appendix G of the State CEQA Guidelines and the various laws, regulations, and guidelines discussed in Chapter 5 of this report, and provide the basis for determining significance of impacts from noise and vibration associated with the implementation of the proposed project. The District has not adopted its own specific thresholds of impact for potential noise and vibration impacts and therefore uses, where appropriate, the applicable standards and guidelines of other agencies such as the City of San Diego, City of Coronado, or Caltrans.

Impacts are considered significant if the proposed project would result in any of the following.

1. Generation of a substantial temporary or 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. A significant impact would occur if, at any noise-sensitive receptors:

   (a) Daytime (7 a.m. – 7 p.m.) construction activity fails to comply with the construction noise standards provided by the City of San Diego or City of Coronado municipal code (San Diego Municipal Code section 59.5.0404 or Coronado Municipal Code sections 41.10.040 and 41.10.050); or

   (b) Nighttime (7 p.m. – 7 a.m.) construction activity exceeds existing ambient noise levels and fails to comply with the applicable nighttime noise standards provided by the City of San Diego or City of Coronado municipal code (San Diego Municipal Code section 59.5.0401 or Coronado Municipal Code section 41.10.010), or exceeds existing ambient noise levels by 5 dBA (a readily perceptible change) or more, 12-hour L_{eq}; or

(c) Project traffic generates a noise increase of 3 dB CNEL or more to a level in excess of *Impacts from Traffic Generated Noise* criteria of the City of San Diego's CEQA Significance Determination Thresholds, or any noise increase of 5 dB CNEL or more; or

(d) Noise from new onsite operational activity exceeds the exterior noise standards of the City of San Diego's noise ordinance (Municipal Code section 59.5.0401) or the City of Coronado's noise ordinance (Municipal Code Section 41.10.010).

(e) Noise from onsite operational activity increases ambient noise levels by 5 dBA or more (a readily perceptible change).

2. Generation of excessive groundborne vibration or groundborne noise levels. A significant impact would occur if construction or operation of the project exceeds Caltrans' guideline vibration criteria for damage to structures at any nearby buildings or annoyance to people (distinctly perceptible vibration) at any vibration-sensitive location.

3. For a project 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, would the project expose people residing or working in the project area to excessive noise levels?

Chapter 7
Impact Analysis

7.1 Construction

7.1.1 Noise

Two types of short-term noise impacts could occur during project construction. First, construction worker vehicles and haul trucks that would transport equipment and materials would incrementally increase noise levels on access roads. The second type of short-term noise impact would be related to noise generated during onsite project construction. Construction is expected to start in June 2021 and be completed by March 2026.

Construction Traffic

Although there would be a relatively high single-event noise level, which could cause an intermittent noise nuisance (e.g., passing trucks at 50 feet would generate up to 77 dBA), the effect on longer-term ambient noise levels (e.g., the daily CNEL used to assess traffic noise levels) would be small, especially given the industrial nature of the surrounding neighborhood and the relatively high proportion of heavy trucks that are already present on the primary access roadways. An analysis of the average daily traffic volumes on nearby roadways was conducted based on the findings of the proposed project construction traffic memorandum (Chen Ryan 2019). The results of the analysis are summarized in Table 7-1 and indicate that average daily traffic volumes would increase by up to approximately 1.5% as a result of project construction traffic. A 1.5% daily traffic increase would generate a noise increase of less than 0.1 dB CNEL.[5] This noise increase is well below the threshold of 3 dB CNEL and would be imperceptible. As a result, construction traffic noise impacts would be less than significant.

[5] The greatest traffic increase occurs on Harbor Drive between Schley Street and 28th Street. The resulting noise increase is calculated as: $10 \times \log (11{,}802 / 11{,}626) = 0.07$ dB

Table 7-1. Traffic Volume Increases Due to Project Construction

Roadway	Segment	Ex. ADT	Ex. + Const. ADT	% Incr.	NT 2020 ADT	NT 2020 + Const. ADT	% Incr.	NT 2022 ADT	NT 2022 + Const. ADT	% Incr.
Harbor Drive	Sampson Street to Schley Street	12,050	12,226	1.46	17,471	17,647	1.01	18,560	18,670	0.59
	Schley Street to 28th Street	11,626	11,802	1.51	17,047	17,223	1.03	18,109	18,219	0.61
28th Street	National Avenue to Boston Avenue	22,112	22,256	0.65	23,104	23,248	0.62	24,544	24,634	0.37
	Boston Avenue to Main Street	19,563	19,739	0.90	20,650	20,826	0.85	21,937	22,047	0.50
	Main Street to Harbor Drive	16,134	16,310	1.09	17,264	17,440	1.02	18,340	18,450	0.60

Ex. = Existing; ADT = Average Daily Traffic; Const. = Construction; Incr. = Increase; NT = Near Term.

Onsite Construction

Project construction would be broken down into various project elements and phases, some of which would overlap. Construction is proposed to occur primarily between 7 a.m. and 7 p.m. Monday through Saturday as permitted by San Diego's municipal code. Dredging, but no other construction work, would continue to occur during the nighttime hours of 7 p.m. to 7 a.m. This work would consist of dredging associated with Project Elements 1 (Pride of San Diego Drydock Dredging and Moorage Replacement) and 4 (Pier 3 South Nearshore Dredging), and Project Element 6 (Pier 3 Lunchroom Wharf Replacement Realignment), which would occur 24 hour per day, 7 days per week for the duration of dredging activities. The details of the construction noise analyses are included in Appendix B. A summary of the results is provided in Table 7-2 and Table 7-3 for daytime and nighttime construction activities, respectively. The range of predicted construction noise levels over the entire course of project construction is reported in the tables. The results are reported separately for daytime construction with conventional construction equipment (i.e., no pile driving or pile extraction), daytime construction with pile driving or extraction (impact or vibratory) equipment included, and nighttime construction activities. Nighttime construction would not include any pile driving or pile extraction. The results indicate that construction of the proposed project would not generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the proposed project in excess of local noise standards. As a result, the proposed project's construction noise impacts would be less than significant, and no mitigation measures would be required.

Table 7-2. Predicted Daytime Construction Noise Levels

Receiver #	Location	Measured Ambient L_{eq} (dBA)	Range of Construction Noise Levels, L_{eq} (dBA)	Municipal Code Standard Applied, L_{eq} (dBA)	Impact
Daytime Construction without Pile Driving and/or Pile Extraction					
R1	Coronado Tidelands Park	59.5	35.5 to 46.5	75[1]	LTS
	Coronado Island Marriott Resort and Spa	N/A – Not considered noise-sensitive during daytime hours			
R2	Cesar Chavez Park	58.5	33 to 46.5	75[2]	LTS
R3	Perkins Elementary School	61.2	30.2 to 42.7	75[2]	LTS
R4	Mercado Apartments	62.7	35.6 to 49.7	75[2]	LTS
R5	Boston Ave Homes	56.5	36.4 to 46.5	75[2]	LTS
Daytime Construction with Pile Driving and/or Pile Extraction					
R1	Coronado Tidelands Park	59.5	47.9 to 52.4	75[1]	LTS
	Coronado Island Marriott Resort and Spa	N/A – Not considered noise-sensitive during daytime hours			
R2	Cesar Chavez Park	58.5	54.2 to 59.4	75[2]	LTS
R3	Perkins Elementary School	61.2	51.3 to 56.2	75[2]	LTS
R4	Mercado Apartments	62.7	54.5 to 61.0	75[2]	LTS
R5	Boston Ave Homes	56.5	54.3 to 60.1	75[2]	LTS

[1] City of Coronado noise limit for construction during permissible daytime hours of 7:00 a.m. to 7:00 p.m. at any residentially zoned property.

[2] City of San Diego noise limit for construction during permissible daytime hours of 7:00 a.m. to 7:00 p.m. at any residentially zoned property.

LTS = less than significant impact; L_{eq} = equivalent sound level; dBA = A-weighted decibels.

Table 7-3. Predicted Nighttime Construction Noise Levels

Receiver #	Location	Measured Ambient L_{eq} (dBA)	Range of Construction Noise Levels, L_{eq} (dBA)	Municipal Code Standard Applied[1]	Impact Relative to Local Standards	Range of Combined (Ambient + Construction) Noise Levels, L_{eq} (dBA)	Range of Noise Level Increases, L_{eq} (dBA)	Impact Relative to Temporary Noise Increases
Nighttime Construction (Dredging Only)								
R1	Coronado Tidelands Park	57.8	38.6 to 38.6	50[2]	LTS	57.9 to 57.9	0.1	LTS
	Coronado Island Marriott Resort and Spa	57.8	38.6 to 38.6	50[3]	LTS	57.9 to 57.9	0.1	LTS
R2	Cesar Chavez Park	56.5	37.0 to 37.4	50[2]	LTS	56.5 to 56.6	0.0 to 0.1	LTS
R3	Perkins Elementary School	N/A – Not considered noise-sensitive during nighttime hours						
R4	Mercado Apartments	61.9	38.4 to 39.8	60[2]	LTS	61.9	0.0	LTS
R5	Boston Ave Homes	54.5	37.0 to 39.9	57.5[5]	LTS	54.6	0.1	LTS

[1] Total time period considered is 7:00 p.m. to 7:00 a.m. Nighttime (10:00 p.m. to 7:00 a.m.) municipal code standards are used because these are the most restrictive and applicable during the analyzed time period.

[2] City of Coronado noise limit for open space land use. In the absence of an established City of San Diego noise limit for parks, the City of Coronado noise limit for open space is applied to parks in San Diego.

[3] City of Coronado noise limit for hotel/motel land use.

[4] City of San Diego noise limit for boundary between multi-family residential use and industrial use zones (arithmetic average of 45 dBA and 75 dBA).

[5] City of San Diego noise limit for boundary between single-family residential use and industrial use zones (arithmetic average of 40 dBA and 75 dBA).

LTS = less-than-significant impact; L_{eq} = equivalent sound level; dBA = A-weighted decibels.

7.1.2 Vibration

When pile drivers and heavy construction equipment operate on site, they would generate groundborne vibration that could affect nearby receivers. All of the major vibration sources would be categorized as continuous/frequent intermittent sources. Given the industrial nature of the neighboring land uses, all of the closest offsite buildings are assumed to be industrial buildings with a threshold for potential vibration damage of 0.5 in/s PPV (refer to Table 5-1). Table 7-4 summarizes the estimated maximum distances from each piece of equipment at which groundborne vibration impacts would exceed the threshold (see Appendix C for additional details).

Table 7-4. Impact Distances from Construction Equipment for Potential Vibration Building Damage

Construction Equipment Item	Maximum Impact Distance for 0.5 in/s PPV
Impact Pile Driver	32 feet
Vibratory Pile Driver/Extractor	32 feet
Large Bulldozer[1]	6 feet

[1] Considered representative of various heavy earthmoving equipment such as excavators, graders, backhoes, etc.
in/s = inches per section; PPV = peak particle velocity.

There are no offsite buildings within 32 feet of the footprint for proposed pile driving activities or within 6 feet of the remainder of the project boundary where heavy construction equipment may operate. Therefore, potential building damage impacts from groundborne vibration associated with project construction are less than significant and no mitigation measures would be required.

Table 7-5 summarizes the estimated maximum distances from each piece of equipment at which groundborne vibration impacts would exceed the established "distinctly perceptible" threshold of 0.04 in/s PPV (refer to Table 5-2).

Table 7-5. Impact Distances from Construction Equipment for Potential Vibration Annoyance

Construction Equipment Item	Maximum Impact Distance for 0.04 in/s PPV (Barely Perceptible Vibration)
Impact Pile Driver	316 feet
Vibratory Pile Driver/Extractor	316 feet
Large Bulldozer[1]	52 feet

[1] Considered representative of various heavy earthmoving equipment such as excavators, graders, backhoes, etc.
in/s = inches per section; PPV = peak particle velocity.

The closest sensitive receptors to the project site are over 1,000 feet away, and, consequently, potential annoyance impacts from groundborne vibration associated with project construction are less than significant and no mitigation measures would be required.

7.2 Project Operation

7.2.1 Operational Noise

Operation of the BAE Systems facility generates noise that currently contributes to the existing ambient noise environment in the project vicinity. The primary source of noise is the heavy industrial activity related to the ship repair that occurs on site. Traffic noise is also generated in the surrounding community by workers commuting to and from the site and trucks delivering parts and materials to be used at the site.

Once project construction is completed, the improvements would allow BAE Systems to increase operational efficiency and service newer and different classes of vessels that cannot be accommodated under existing conditions. However, the changes would not lead to additional simultaneous vessel work and would not increase the number of people on site. In fact, the worst-case (largest) net onsite vessel crew and labor force size would decrease under the proposed project. Consequently, the general types of operational activities (i.e., vessel service and repair) at the project site would remain the same as those that currently occur, and the overall intensity of the operations would not increase. This, combined with the large distances to the nearest noise-sensitive receptors (1,200 feet or more), means that operational noise levels (including BAE-related traffic noise in the surrounding community) would not change appreciably at the nearest receptors, and the operational noise impacts would be less than significant.

7.2.2 Operational Vibration

Heavy equipment and machinery currently in use at the project site generates groundborne vibration levels that are localized and typically only perceptible at very close range or within the buildings where the equipment is operated. Based on the large distances to the closest offsite sensitive receptors (1,180 feet or more) operational vibration levels are not perceptible at sensitive offsite locations. As described above for operational noise, the type of operations at the site would be the same with implementation of the proposed project. As a result, there would be no new vibration sources that would cause potential impacts at offsite receptors and the operational vibration impacts would be less than significant.

7.2.3 Aircraft Noise

The closest air facilities to the project site are San Diego International Airport (SDIA) and Naval Air Station (NAS) North Island. SDIA is a public airport approximately 3 miles from the project site with an adopted airport land use plan. NAS North Island is a private airport approximately 3.25 miles from the site without an adopted airport land use plan. Based on the noise contour maps for both of these facilities (Ricondo & Associates 2014 and Onyz Group 2011, respectively), the project site is outside of their designated noise contours (the minimum noise contour value is 60 CNEL dB). In addition, the proposed project would not change the operations of SDIA or NAS North Island or otherwise affect the existing aircraft noise environment in the project vicinity. The proposed project also would not create any new noise sensitive receptors that could be affected by aircraft noise. Therefore, the proposed project would not expose people residing or working in the project area to excessive airport noise levels.

Chapter 8
References

California Department of Transportation (Caltrans). 2013. *Technical Noise Supplement to the Traffic Noise Analysis Protocol*. Final. CT-HWANP-RT-13-069.25.2. Sacramento, CA. Prepared by: California Department of Transportation, Division of Environmental Analysis, Environmental Engineering, Hazardous Waste, Air, Noise, and Paleontology Office, Sacramento, CA.

———. 2020. *Transportation and Construction Vibration Guidance Manual*. Final. CT-HWANP-RT-20-365.01.01. April. Sacramento, CA.

Chen Ryan Associates. 2019. *BAE Systems Waterfront Improvements – Construction Traffic Impact Analysis*. August 28, 2019.

City of San Diego. 2015. Noise Element of the General Plan.

———. 2016. California Environmental Quality Act Significance Determination Thresholds. Available: https://www.sandiego.gov/sites/default/files/july_2016_ceqa_thresholds_final_0.pdf.

Federal Highway Administration (FHWA). 2008. FHWA Roadway Construction Noise Model (RCNM), Software Version 1.1. December 8, 2008. Prepared by: U.S. Department of Transportation, Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center, Environmental Measurement and Modeling Division

Onyx Group. 2011. *Air Installation Compatible Use Zones (AICUZ) Study Update for NAS North Island and Naval Outlying Landing Field Imperial Beach*. Figure 4-8.

Port of Long Beach. 2009. *Middle Harbor Redevelopment Project, Final Environmental Impact Statement (FEIS)/Final Environmental Impact Report (FEIR) and Application Summary Report (ASR)*. Appendix C, Noise. SCH No. 2004091010. April.

Ricondo & Associates. 2014. *San Diego International Airport, Airport Land Use Compatibility Plan (ALUCP).* Exhibit 2-1.

U.S. Department of Transportation/Federal Transit Administration. 2018. *Transit Noise and Vibration Impact Assessment Manual*. Final. FTA Report No. 0123. September 2018. Washington, DC. Prepared by Volpe National Transportation Systems Center. Cambridge, MA.

U.S. Environmental Protection Agency. 1974. *Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety.*

U.S. Environmental Protection Agency. 1977. *Speech Levels in Various Noise Environments.* May 1977. Washington DC.

World Health Organization (WHO). 1999. *Guidelines for Community Noise*. April 1999. London, United Kingdom.

Appendix A
Field Noise Survey Sheets

FIELD NOISE MEASUREMENT DATA

PROJECT: BAE PROJ. # 216.18

SITE IDENTIFICATION: LT 1 OBSERVER(S): Jonathan H. Jakob, K.

ADDRESS: Coronado tidelands park

START DATE / TIME: installed 12:35 pm / 01/07/19 END DATE / TIME: 11:40 Am 1/9/19

METEROLOGICAL CONDITIONS:

TEMP: _____ °F HUMIDITY: _____ %R.H. WIND: CALM LIGHT MODERATE VARIABLE

WINDSPEED: _____ MPH DIR: N NE E SE S SW W NW STEADY GUSTY

SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: Piccolo #4 TYPE: 1 (2) SERIAL #: 150320014

CALIBRATOR: LD CAL200 SERIAL #: 2916

CALIBRATION CHECK, BEFORE: 94.0 AFTER 94.2 WINDSCREEN ✓

SETTINGS: A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI OTHER: _____

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	L 1.67	8.33	25	50	90	99	min

COMMENTS: SLM started 10:00 AM, clear at 12:50 pm
Arrived 11:40 AM, left 11:50 AM

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER: _____

ROADWAY TYPE: _____

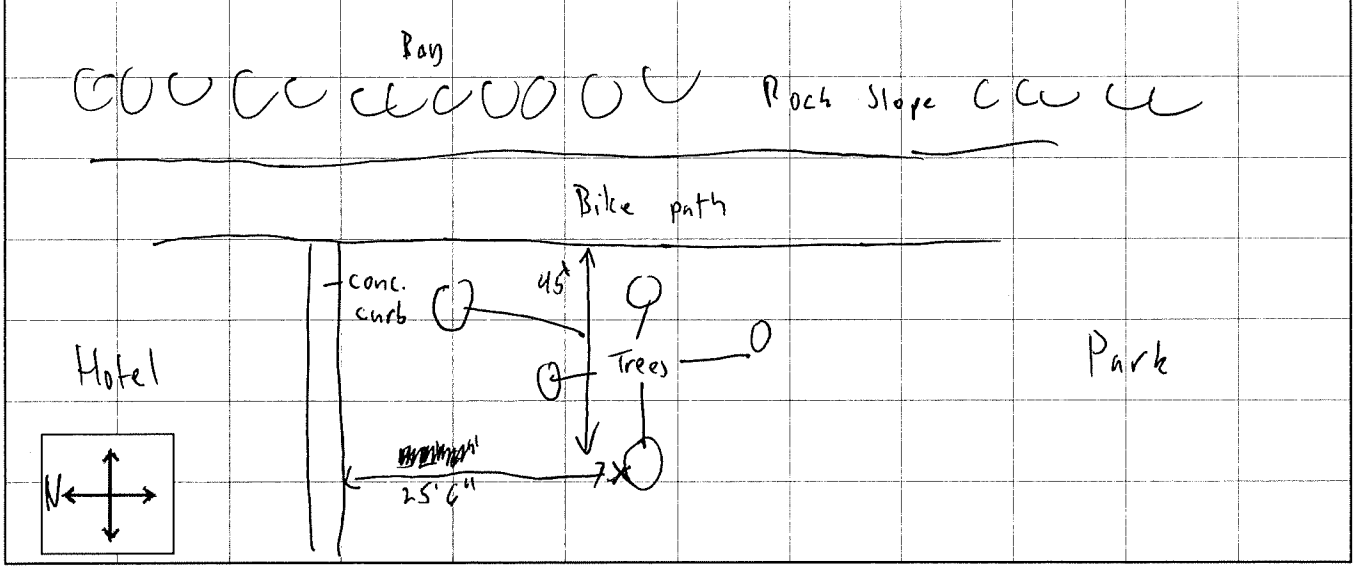
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER: _____

PHOTOS: ✓

OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: BAE PROJ. # 216.18

SITE IDENTIFICATION: LT2 OBSERVER(S): Jonathan H. Jakob R.

ADDRESS: Mercado Apartments, 2001 Newton Ave

START DATE / TIME: Installed time 1:30 pm 1/7/19 END DATE / TIME: 11:20 1/9/19

METEROLOGICAL CONDITIONS:

TEMP: ____ °F HUMIDITY: ____ %R.H. WIND: CALM LIGHT MODERATE VARIABLE

WINDSPEED: ____ MPH DIR: N NE E SE S SW W NW STEADY GUSTY

SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: Piccolo # 5 TYPE: 1 (2) SERIAL #: 150320016

CALIBRATOR: LD CAL200 SERIAL #: 2916

CALIBRATION CHECK, BEFORE: 94.0 AFTER 93.8 WINDSCREEN ✓

SETTINGS: A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI OTHER: ____

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	L 1.67	L 8.33	L 25	L 50	L 90	L 99	min

COMMENTS: SLM started 10:00 AM, clear at 1:40 pm
arrives 11:05 AM

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER: ____

ROADWAY TYPE: ____

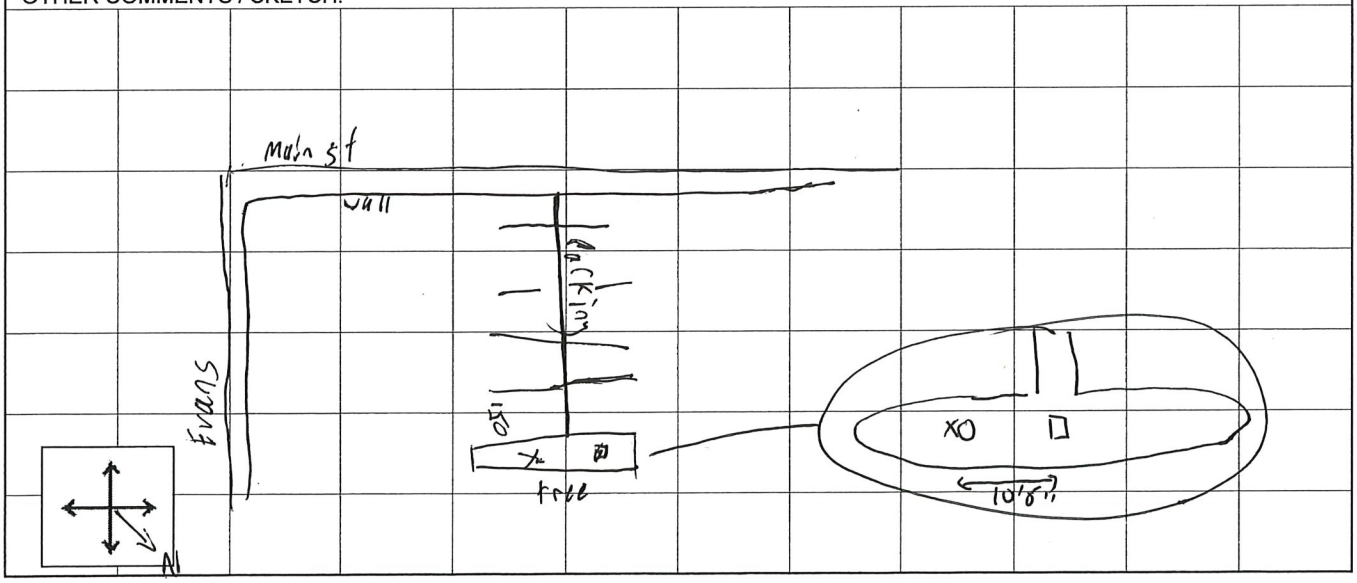
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER: ____

PHOTOS: ✓

OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: BAE PROJ. # 216.18

SITE IDENTIFICATION: LT 3 OBSERVER(S): Jonathan H. Jakob R.
ADDRESS: 2644 Boston ave.
START DATE / TIME: Installed 2:10 pm 1/7/19 END DATE / TIME:

METEROLOGICAL CONDITIONS:

TEMP: ____ °F HUMIDITY: ____ %R.H. WIND: CALM LIGHT MODERATE VARIABLE
WINDSPEED: ____ MPH DIR: N NE E SE S SW W NW STEADY GUSTY
SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: RION NL21 TYPE: 1 (2) SERIAL #: 6887
CALIBRATOR: LP CAL 200 SERIAL #: 2916
CALIBRATION CHECK, BEFORE: 94.0 AFTER 94.1 WINDSCREEN X
SETTINGS: A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	1.67	8.33	L_{25}	L_{50}	L_{90}	L_{99}	min
	2:10 PM										

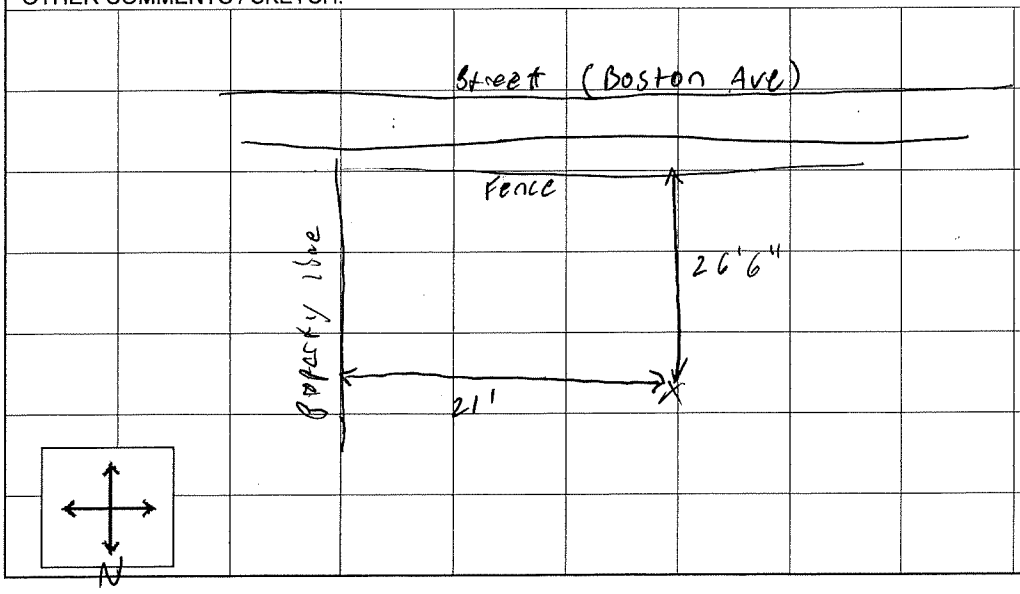
COMMENTS: SLM started 10:00 AM, clear at 2:20 pm
arrived 8:45 AM

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:
ROADWAY TYPE:
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER:
PHOTOS: ✓
OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: BAE PROJ. # 216.18

SITE IDENTIFICATION: ST1 OBSERVER(S): Jake B., K. Jonathan H.

ADDRESS: Cesar Chavez Park

START DATE / TIME: 2:47 pm 1/7/14 END DATE / TIME: 3:07 pm 1/7/14

METEROLOGICAL CONDITIONS:

TEMP: 66 °F HUMIDITY: 52 %R.H. WIND: CALM LIGHT MODERATE VARIABLE

WINDSPEED: 1-3 MPH DIR: N NE E SE S SW W NW STEADY GUSTY

SKY: SUNNY CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

ACOUSTIC MEASUREMENTS:

INSTRUMENT: LD LXT1 TYPE: 1 2 SERIAL #: 4005

CALIBRATOR: LD CAL200 SERIAL #: 2916

CALIBRATION CHECK, BEFORE: 114 AFTER 113.98 WINDSCREEN ✓

SETTINGS: A-WEIGHTED SLOW FAST FRONTAL RANDOM ANSI OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	max	L 1.67	L 8.33	L 25	L 50	L 90	L 99	min
0078	2:47	3:07	58.5	71.9	61.5	59.6	58.6	58.0	57.4	56.8	56.6

COMMENTS:

NOISE SOURCE INFO:

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL AMBIENT OTHER:

ROADWAY TYPE:

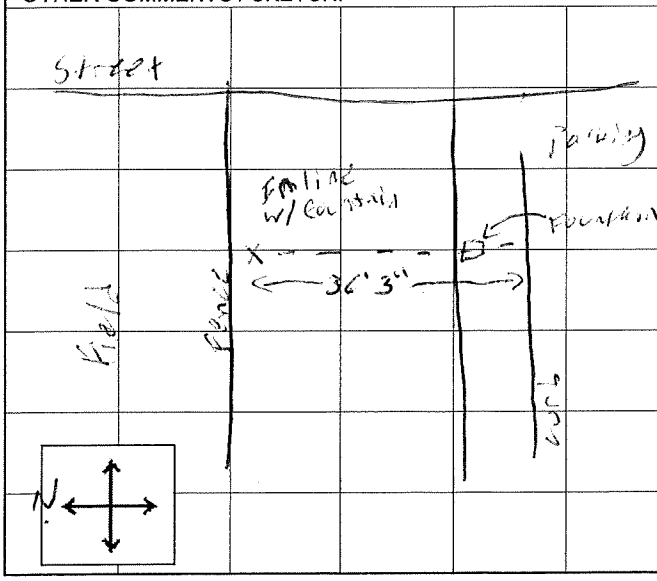
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:

DESCRIPTION / SKETCH:

TERRAIN: HARD SOFT MIXED FLAT OTHER:

PHOTOS: ✓

OTHER COMMENTS / SKETCH:



FIELD NOISE MEASUREMENT DATA

PROJECT: BAE PROJ. # 216.18

SITE IDENTIFICATION: ST2 OBSERVER(S): Jakob R.
ADDRESS: Perkins K-8 1770 Main St
START DATE / TIME: 1/9/19 9:47 Am END DATE / TIME: 1/9/19 10:07 AM

METEROLOGICAL CONDITIONS:
TEMP: ~~59~~ °F HUMIDITY: 70 %R.H. WIND: CALM (LIGHT) MODERATE VARIABLE
WINDSPEED: 0-2 MPH DIR: N NE E SE S SW (W) NW STEADY GUSTY
SKY: (SUNNY) CLEAR OVRCST PRTLY CLOUDY FOG RAIN OTHER:

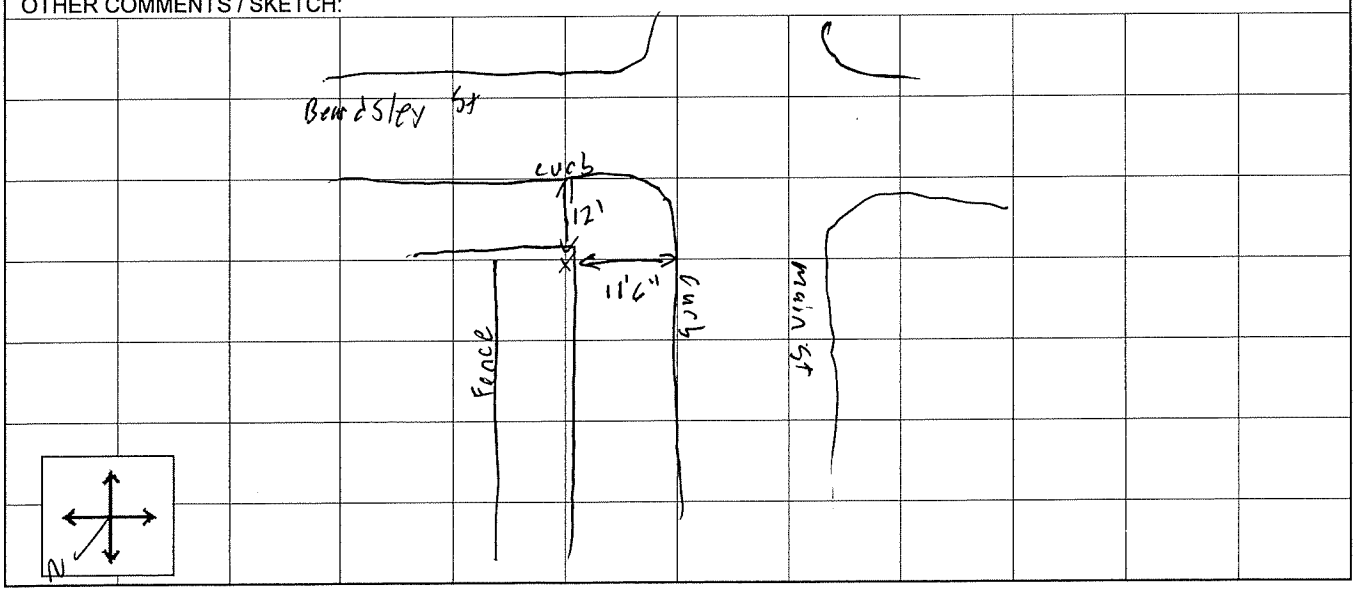
ACOUSTIC MEASUREMENTS:
INSTRUMENT: LD LXT1 TYPE: (1) 2 SERIAL #: 4005
CALIBRATOR: LD CAL 200 SERIAL #: 2916
CALIBRATION CHECK, BEFORE: 114. AFTER 113.97 WINDSCREEN ✓
SETTINGS: (A-WEIGHTED) (SLOW) FAST FRONTAL (RANDOM) (ANSI) OTHER:

FILE / MEAS #	START TIME	END TIME	L_{eq}	L max	1.67	8.33	25	50	90	99	min
.074	9:47 Am	10:07 Am	61.2	73.3	68.9	64.7	61.7	59.0	55.0	53.1	52.5

COMMENTS:

NOISE SOURCE INFO:
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT (RAIL) INDUSTRIAL AMBIENT OTHER:
ROADWAY TYPE:
OTHER SOURCES: DIST. AIRCRAFT / RUSTLING LEAVES / DIST. BARKING DOGS / BIRDS / DIST. INDUSTRIAL
DIST. CHILDREN PLAYING / DIST. TRAFFIC / DIST. LANDSCAPING ACTIVITIES / OTHER:
Pedestrian Conversation

DESCRIPTION / SKETCH:
TERRAIN: (HARD) SOFT MIXED FLAT OTHER:
PHOTOS: ✓
OTHER COMMENTS / SKETCH:



Appendix B
Construction Noise Analysis

Table 1a. Construction Noise Source Levels - Pride of San Diego Drydock Dredging

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
71	Dredge	81	0.3	1	12	50	hard	0	76
73	Tug boat	82	0.3	1	2	50	hard	0	69
74	Survey Vessel	82	0.3	1	2	50	hard	0	69
2	Backhoe	77.6	0.4	1	10	50	hard	0	73
29	Loader (Front End Loader)	79.1	0.4	1	10	50	hard	0	74
	Combined Equipment								***80***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 1b. Construction Noise Source Levels - Pride of San Diego Drydock Dolphin Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
73	Tug boat	82	0.3	1	4	50	hard	0	72
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
20	Generator	80.6	0.5	1	4	50	hard	0	73
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 1c. Construction Noise Source Levels - Pride of San Diego Drydock Dolphin Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
73	Tug boat	82	0.3	1	1	50	hard	0	66
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
20	Generator	80.6	0.5	1	4	50	hard	0	73
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 2a. Construction Noise Source Levels - Pride of San Diego Drydock Wharf Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
73	Tug boat	82	0.3	1	1	50	hard	0	66
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
20	Generator	80.6	0.5	1	4	50	hard	0	73
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 2b. Construction Noise Source Levels - Pride of San Diego Drydock Wharf Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
70	Forklift (based on front loader)	79.1	0.4	2	6	50	hard	0	75
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
73	Tug boat	82	0.3	1	1	50	hard	0	66
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
20	Generator	80.6	0.5	1	4	50	hard	0	73
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 3a. Construction Noise Source Levels - Fender Repair and Replacement

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
73	Tug boat	82	0.3	1	4	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	1	6	50	hard	0	79
75	Other Matl Hdlg Equip (based	79.1	0.4	1	6	50	hard	0	72
	Combined Equipment								***82***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 3b. Construction Noise Source Levels - Fender System New Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
73	Tug boat	82	0.3	1	4	50	hard	0	72
70	Forklift (based on front loader)	79.1	0.4	2	6	50	hard	0	75
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 3c. Construction Noise Source Levels - Fender System Maintenance & Replacement

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
73	Tug boat	82	0.3	1	4	50	hard	0	72
70	Forklift (based on front loader)	79.1	0.4	2	6	50	hard	0	75
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 4. Construction Noise Source Levels - Pier 3 South Nearshore Dredging

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
71	Dredge	81	0.3	1	12	50	hard	0	76
73	Tug boat	82	0.3	1	4	50	hard	0	72
74	Survey Vessel	82	0.3	1	2	50	hard	0	69
2	Backhoe	77.6	0.4	1	12	50	hard	0	74
29	Loader (Front End Loader)	79.1	0.4	1	12	50	hard	0	75
	Combined Equipment								***81***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 5. Construction Noise Source Levels - Pier 3 Mooring Dolphin

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
73	Tug boat	82	0.3	1	1	50	hard	0	66
39	Pneumatic Tools	85.2	0.5	1	6	50	hard	0	79
75	Other Matl Hdlg Equip (based	79.1	0.4	1	6	50	hard	0	72
	Combined Equipment								***81***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 6a. Construction Noise Source Levels - Pier 3 North Lunchroom Wharf Replacement Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
73	Tug boat	82	0.3	1	1	50	hard	0	66
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
20	Generator	80.6	0.5	1	4	50	hard	0	73
2	Backhoe	77.6	0.4	1	10	50	hard	0	73
29	Loader (Front End Loader)	79.1	0.4	1	10	50	hard	0	74
	Combined Equipment								***85***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 6b. Construction Noise Source Levels - Pier 3 North Lunchroom Wharf Replacement Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
73	Tug boat	82	0.3	1	1	50	hard	0	66
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
20	Generator	80.6	0.5	1	4	50	hard	0	73
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 7a. Construction Noise Source Levels - Quay Wall Modifications (Dredging/Rock Removal)

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
73	Tug boat	82	0.3	1	2	50	hard	0	69
74	Survey Vessel	82	0.3	1	1	50	hard	0	66
2	Backhoe	77.6	0.4	1	8	50	hard	0	72
29	Loader (Front End Loader)	79.1	0.4	1	8	50	hard	0	73
	Combined Equipment								***78***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 7b. Construction Noise Source Levels - Quay Wall Modifications (Pile Driving)

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
73	Tug boat	82	0.3	1	1	50	hard	0	66
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
20	Generator	80.6	0.5	1	4	50	hard	0	73
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 8a. Construction Noise Source Levels - Port Security Barrier Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
73	Tug boat	82	0.3	1	4	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	1	6	50	hard	0	79
75	Other Matl Hdlg Equip (based	79.1	0.4	1	6	50	hard	0	72
	Combined Equipment								***81***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 8b. Construction Noise Source Levels - Port Security Barrier Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	8	50	hard	0	71
73	Tug boat	82	0.3	1	2	50	hard	0	69
39	Pneumatic Tools	85.2	0.5	1	6	50	hard	0	79
75	Other Matl Hdlg Equip (based	79.1	0.4	1	6	50	hard	0	72
	Combined Equipment								***81***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 9a. Construction Noise Source Levels - Small Boat Mooring Float Replacement Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	4	50	hard	0	68
70	Forklift (based on front loader)	79.1	0.4	1	4	50	hard	0	70
39	Pneumatic Tools	85.2	0.5	1	4	50	hard	0	77
75	Other Matl Hdlg Equip (based	79.1	0.4	1	4	50	hard	0	70
	Combined Equipment								***79***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 9b. Construction Noise Source Levels - Small Boat Mooring Float Replacement Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	4	50	hard	0	68
70	Forklift (based on front loader)	79.1	0.4	1	4	50	hard	0	70
39	Pneumatic Tools	85.2	0.5	1	4	50	hard	0	77
75	Other Matl Hdlg Equip (based	79.1	0.4	1	4	50	hard	0	70
	Combined Equipment								***79***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 10a. Construction Noise Source Levels - Central Tool Room Demolition and Reconstruction Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	4	50	hard	0	68
70	Forklift (based on front loader)	79.1	0.4	2	6	50	hard	0	75
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
29	Loader (Front End Loader)	79.1	0.4	1	4	50	hard	0	70
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 10b. Construction Noise Source Levels - Central Tool Room Demolition and Reconstruction Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	6	50	hard	0	70
70	Forklift (based on front loader)	79.1	0.4	2	6	50	hard	0	75
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
29	Loader (Front End Loader)	79.1	0.4	1	4	50	hard	0	70
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 11a. Construction Noise Source Levels - New Production Building Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	4	50	hard	0	68
70	Forklift (based on front loader)	79.1	0.4	2	6	50	hard	0	75
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
29	Loader (Front End Loader)	79.1	0.4	1	4	50	hard	0	70
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 11b. Construction Noise Source Levels - New Production Building Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	6	50	hard	0	70
70	Forklift (based on front loader)	79.1	0.4	2	6	50	hard	0	75
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
29	Loader (Front End Loader)	79.1	0.4	1	4	50	hard	0	70
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 12a. Construction Noise Source Levels - Administrative Office Building Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	4	50	hard	0	68
70	Forklift (based on front loader)	79.1	0.4	2	6	50	hard	0	75
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
29	Loader (Front End Loader)	79.1	0.4	1	4	50	hard	0	70
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 12b. Construction Noise Source Levels - Administrative Office Building Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	6	50	hard	0	70
70	Forklift (based on front loader)	79.1	0.4	2	6	50	hard	0	75
39	Pneumatic Tools	85.2	0.5	2	6	50	hard	0	82
75	Other Matl Hdlg Equip (based	79.1	0.4	2	6	50	hard	0	75
29	Loader (Front End Loader)	79.1	0.4	1	4	50	hard	0	70
69	Welder/Torch	74	0.4	2	4	50	hard	0	68
	Combined Equipment								***84***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 13. Construction Noise Source Levels - Pier 1 Restroom Renovation and/or Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
12	Crane	80.6	0.16	1	4	50	hard	0	68
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	1	6	50	hard	0	79
75	Other Matl Hdlg Equip (based	79.1	0.4	1	6	50	hard	0	72
	Combined Equipment								***81***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 14a. Construction Noise Source Levels - Main Electrical Utility Service Update Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	1	6	50	hard	0	79
75	Other Matl Hdlg Equip (based	79.1	0.4	1	6	50	hard	0	72
29	Loader (Front End Loader)	79.1	0.4	1	4	50	hard	0	70
	Combined Equipment								***81***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 14b. Construction Noise Source Levels - Main Electrical Utility Service Update Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	1	6	50	hard	0	79
75	Other Matl Hdlg Equip (based	79.1	0.4	1	6	50	hard	0	72
29	Loader (Front End Loader)	79.1	0.4	1	4	50	hard	0	70
	Combined Equipment								***81***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 15a. Construction Noise Source Levels - Sanitary Sewer and Potable Water Utility Services Demolition

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	1	6	50	hard	0	79
75	Other Matl Hdlg Equip (based	79.1	0.4	1	6	50	hard	0	72
29	Loader (Front End Loader)	79.1	0.4	1	4	50	hard	0	70
	Combined Equipment								***81***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 15b. Construction Noise Source Levels - Sanitary Sewer and Potable Water Utility Services Construction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
70	Forklift (based on front loader)	79.1	0.4	1	6	50	hard	0	72
39	Pneumatic Tools	85.2	0.5	1	6	50	hard	0	79
75	Other Matl Hdlg Equip (based	79.1	0.4	1	6	50	hard	0	72
29	Loader (Front End Loader)	79.1	0.4	1	4	50	hard	0	70
	Combined Equipment								***81***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 16. Construction Noise Source Levels - Impact Pile Driving

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
35	Pile-driver (Impact)	101.3	0.2	1	12	50	hard	0	94
	Combined Equipment								***94***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 17. Construction Noise Source Levels - Vibratory Pile Driving or Vibratory Extraction

Equipment		Typical Level @ 50', dBA[1]	Usage Factor[1,2]	Number of Units	Hours per Day	Distance to Receiver, ft.	Hard or Soft Site?	Barrier Attenuation, dB	Leq, dBA
Item No.	Description								
36	Pile-driver (Sonic) (Vibratory Pi	100.8	0.2	1	12	50	hard	0	94
	Combined Equipment								***94***

1. Obtained or estimated from:
   FHWA Roadway Construction Noise Model (RCNM), Version 1.1, December 8, 2008; and/or
   "Transit Noise and Vibration Impact Assessment", FTA, (FTA-VA-90-1003-06), May 2006; and/or
   Middle Harbor Redevelopment Project FEIS/FEIR, 2009
2. Usage Factor = percentage of time equipment is operating in noisiest mode while in use

Table 18. Combined Construction Noise Levels Over Time

Predicted Noise Levels, Leq, dBA	Lower Range	Upper Range	Dates when construction noise levels change based on the analyzed construction schedule*																																			
			2020/3/24	2020/4/18	2020/4/21	2020/4/26	2020/4/28	2020/4/29	2020/4/30	2020/5/23	2020/6/1	2020/6/22	2020/6/28	2020/7/2	2020/7/6	2020/7/18	2020/7/23	2020/8/4	2020/8/11	2020/8/14	2020/8/20	2020/8/22	2020/9/30	2020/10/1	2020/10/5	2020/10/19	2020/10/20	2020/11/6	2020/12/23	2021/2/1	2021/2/15
Receiver 1: Coronado Tidelands Park																																						
Without Pile Driving or Pile Extraction	35.5	46.5	40.4		37.6	37.6	40.7	37.6	37.6		42.5	45.7	45.7	42.9	44.3	44.3	38.6	44.2	46.5	45.8	45.8	45.8	42.7		41.7	42.6	35.5	42.9		40.5	43.4
During Pile Driving or Extraction	47.9	52.4	51.2			47.9	51.2	48.4					49.7			49.3		49.5	52.4	52.2	50.1				49.2	49.4		49.8										
Nighttime (Dredging)	35.5	38.6													38.6	38.6	38.6	38.6	38.6							35.5	35.5											
Receiver 2: Cesar Chavez Park																																						
Without Pile Driving or Pile Extraction	33.0	46.5	40.4		38.0	38.0	41.0	38.0	38.0		42.7	45.2	45.2	41.7	43.1	43.1	37.4	44.0	46.0	45.3	45.3	45.3	41.5		39.2	40.2	33.0	42.9		40.7	43.6
During Pile Driving or Extraction	54.2	59.4	59.2			56.1	59.4	56.6					56.2			55.3		56.6	59.2	59.2	55.9				55.0	55.1		57.2										
Nighttime (Dredging)	37.0	37.4													37.4	37.4	37.4	37.4	37.4																			
Receiver 3: Perkins Elementary School																																						
Without Pile Driving or Pile Extraction	30.2	42.7	36.5		34.0	34.0	37.0	34.0	34.0		38.7	41.3	41.3	37.8	39.2	39.2	33.5	40.0	42.0	41.3	41.3	41.3	37.6		36.4	37.3	30.2	39.0		35.8	38.7
During Pile Driving or Extraction	51.3	56.2	56.0			52.9	56.2	53.4					53.0			52.1		53.4	56.0	56.0	52.7				52.8	52.8		54.1										
Nighttime (Dredging)	30.2	33.5													33.5	33.5	33.5	33.5	33.5							30.2	30.2											
Receiver 4: Mercado Apartments																																						
Without Pile Driving or Pile Extraction	35.6	49.7	42.7		39.9	39.9	42.9	39.9	39.9		44.5	46.7	46.7	42.7	44.1	44.1	38.4	45.7	47.4	46.8	46.8	46.8	42.5		41.8	42.7	35.6	45.3		40.0	42.9
During Pile Driving or Extraction	54.5	61.0	61.0			57.7	61.0	58.2					57.7			56.1		58.1	60.4	60.4	56.8				57.1	57.1		59.1										
Nighttime (Dredging)	35.6	38.4													38.4	38.4	38.4	38.4	38.4							35.6	35.6											
Receiver 5: Boston Ave. Homes																																						
Without Pile Driving or Pile Extraction	36.4	46.5	41.5		37.2	37.2	40.2	37.2	37.2		42.1	44.7	44.7	41.3	42.7	42.7	37.0	43.4	45.4	44.8	44.8	44.8	41.1			37.1	37.1	44.1		38.5	41.4
During Pile Driving or Extraction	54.3	60.1	60.1			55.5	58.8	56.0					55.8			54.9		56.1	58.8	58.7	55.5							58.2										
Nighttime (Dredging)	36.4	37.0													37.0	37.0	37.0	37.0	37.0																			

Notes:

All noise levels are 12-hour Leq, dBA

All noise levels are for daytime (7 a.m. to 7 p.m.) activities unless noted as nighttime (7 p.m. to 7 a.m.)

Cells without values indicate dates without the indicated construction activity category

Highlighted cells indicate dates when construction noise levels change for the indicated construction activity category

*Analyzed dates based on an assumed start date in March 2020. Actual start and end dates may occur later but the estimated noise levels would remain representative of anticipated impacts. Analysis includes potential overlap of concurrent construction of two or more Project Elements/phases.

		38.3			39.8			35.5			40.4			40.2	2021/2/16
															2021/4/3
				57.0	45.3		51.9	39.0		55.1	42.9		48.2	42.9	2021/4/5
															2021/5/22
		43.9			45.0			38.8			42.2			42.9	2021/6/14
	56.5	43.9		57.4	45.0		52.4	38.8		55.2	42.2		48.5	42.9	2021/6/24
	59.8	46.5		60.6	47.6		55.7	41.5		58.4	44.9		51.6	45.5	2021/6/28
	57.0	43.1		57.8	44.2		52.9	38.1		55.6	41.5		48.7	42.2	2021/6/29
		43.1			44.2			38.1			41.5			42.2	2021/7/14
															2021/10/1
		41.9			43.9			36.0			38.9			39.2	2021/11/8
		41.9			46.9			39.0			41.9			42.2	2021/12/13
					43.9			36.0			38.9			39.2	2021/12/14
															2022/2/24
					42.2			35.4			38.7			39.2	2022/3/1
		40.2			45.2			38.4			41.7			42.2	2022/3/22
		40.2			42.2			35.4			38.7			39.2	2022/3/23
		39.9			39.8			33.9	37.0		37.0			38.6	2022/6/1
36.4	54.3	36.4		54.5	36.8		51.3	32.7		54.2	36.3		48.6	39.2	2022/8/10
36.4		36.4			36.8			32.7			36.3			39.2	2022/8/14
															2022/9/23
		43.5			45.8			39.4			42.9			42.2	2022/10/14
		46.5			48.8			42.4			45.9			45.2	2022/10/21
		43.5			45.8			39.4			42.9			42.2	2022/10/22
															2023/7/22
		42.8			46.6			39.7			43.5			42.4	2023/8/1
		45.9			49.7			42.7			46.5			45.4	2023/9/12
		42.9			46.7			39.7			43.5			42.4	2023/9/13
		44.5			48.5			41.5			45.3			44.1	2024/3/1
		42.9			46.7			39.7			43.5			42.4	2024/4/2
															2024/5/15
		43.4			44.6			38.2			41.5			42.0	2024/6/1
		46.5			47.6			41.2			44.6			45.1	2024/6/22
		43.5			44.6			38.3			41.6			42.1	2024/6/23
		43.5			44.6			38.3			41.6			42.1	2024/12/31

Appendix C

Construction Vibration Analysis

Table C1. Construction Vibration Analysis - Potential Building Damage

Vibration attenuation constant (n):			1.1					
		Building Category:	**Extremely fragile historic buildings, ruins, ancient monuments**	**Fragile buildings**	**Historic and some old buildings**	**Older residential structures**	**New residential structures**	**Modern industrial/ commercial buildings**
Equipment Item	**Reference PPV at 25 feet, in/s [a]**	**Vibration Damage Impact Criteria, PPV, in/s:**	**0.08**	**0.1**	**0.25**	**0.3**	**0.5**	**0.5**
Impact Pile Driver	0.65	Distance to Impact Criteria, feet:	168	138	60	51	32	32
Vibratory Pile Driver/Extractor	0.65		168	138	60	51	32	32
Large bulldozer[b]	0.089		28	23	10	9	6	6

[a] Obtained from "Transportation and Construction Vibration Guidance Manual", Caltrans 2013

[b] Considered representative of other heavy earthmoving equipment such as excavators, graders, backhoes, etc.

Table C2. Construction Vibration Analysis - Potential Human Annoyance

Vibration attenuation constant (n):		1.1				
		Perceptibility:	**Barely perceptible**	**Distinctly perceptible**	**Strongly perceptible**	**Severe**
Equipment Item	**Reference PPV at 25 feet, in/s [a]**	**Vibration Damage Impact Criteria, PPV, in/s:**	**0.01**	**0.04**	**0.1**	**0.4**
Impact Pile Driver	0.65	Distance to Impact Criteria, feet:	1112	316	138	39
Vibratory Pile Driver/Extractor	0.65		1112	316	138	39
Large bulldozer[b]	0.089		183	52	23	7

[a] Obtained from "Transportation and Construction Vibration Guidance Manual", Caltrans 2013

[b] Considered representative of other heavy earthmoving equipment such as excavators, graders, backhoes, etc.

Appendix D

Complete Project Description

Appendix D
Complete Project Description

Project Need and Purpose

The purpose of the proposed project is to maintain and improve facilities for the berthing needs of current and future Navy assets and other customers. As part of the U.S. Navy's "Pivot West" strategy, it is anticipated that more Navy vessels will be home-ported in San Diego. As a result, BAE Systems requires the ability to flexibly locate various ships within the existing facility as well as ensure safe and efficient facility utilization for the moorage of vessels, including during extreme weather conditions.

The proposed project would replace aging structures, improve existing infrastructure, increase space utilization, and increase the efficiency of operations at the ship repair yard. Although these improvements would allow newer and different classes of vessels to be moored and repaired on the site, the proposed improvements are not expected to increase the number of vessels serviced because no new berthing space would be provided. Furthermore, the mooring of newer, larger vessels would reduce the number of other vessels that could be concurrently moored at the ship repair yard.

Project Objectives

To achieve the need and purpose of the proposed project, the following project objectives have been identified:

1. Construct and operate shipyard repair facilities that maximize the use of existing waterways, available shoreline, and existing land.
2. Modernize the BAE Systems San Diego Ship Repair Yard by providing improved facilities that meet the needs of the current and anticipated fleets of the military and commercial customers.
3. Enhance worker safety, customer security, and environmental protection programs through the integration of relevant project elements.
4. Invest in new shipyard infrastructure that will enhance the short- and long-term attractiveness and viability of San Diego Bay and the region to military and commercial ship operators for construction and repair, consistent with the Port Master Plan.[1]
5. Preserve jobs by maintaining the physical capacity and technical capability to support the Navy's presence as well as commercial maritime needs in San Diego.

[1] "Renovation and redevelopment of existing facilities will continue as industries respond to market demands and changes in the maritime industrial climate." San Diego Unified Port District, Port Master Plan (August 2017), page 79.

Project Description

The proposed project consists of the following 15 project elements that are designed to improve the efficiency and functionality of the existing BAE Systems San Diego Ship Repair Yard.

1. Pride of San Diego Drydock Dredging[2] and Moorage
2. Pride of San Diego Drydock Wharf Replacement and Realignment
3. Fender System Repair and Replacement
4. Pier 3 South Nearshore Dredging
5. Pier 3 Mooring Dolphin
6. Pier 3 North Lunchroom Wharf Replacement and Realignment
7. Quay Wall Modifications
8. Port Security Barrier Replacement
9. Small Boat Mooring Float Replacement
10. Central Tool Room Demolition and Reconstruction
11. New Production Building
12. Administrative Office Building
13. Pier 1 Restroom Renovation and/or Demolition
14. Main Electrical Utility Service Update
15. Sanitary Sewer and Potable Water Utility Services

The majority of the proposed work would take place within the District's jurisdiction (i.e., Project Elements 2, 3, 4, 6, 7 and, 9–15). Project Elements 1, 5, and 8 are within the District's leasing jurisdiction and the California Coastal Commission's (CCC) permitting jurisdiction, per SB 507 and the California Coastal Act. BAE Systems will apply directly to the CCC for authorization and entitlements for Project Elements 1, 5, and 8; however, the entire proposed project is analyzed, as required by CEQA. Figure 1-1 shows the project location, Figure 1-2 illustrates the project site boundaries, and Figure 1-3 provides an overall site plan identifying the location of each project element by number. A detailed discussion of the proposed activities under each project element is provided below.

Pride of San Diego Drydock Dredging and Moorage Replacement (Project Element 1)

Project Element 1 includes dredging and associated replacement of mooring dolphins[3] to hold the Pride of San Diego drydock in place. Most of Project Element 1 is within the District's jurisdiction;

[2] Dredging is defined as the removal of sediments and debris from the bottom of lakes, rivers, harbors, and other water bodies.

[3] A *mooring dolphin* is defined as an in-water structure, typically made up of a cluster of piles that extends above the water surface to provide mooring points for vessels.

however, the westernmost mooring dolphin and a portion of the required dredging area would be within both District jurisdiction (leasing) and CCC jurisdiction (permitting).

Because of conflicts with the original 1983 dredge sump[4] design, the current configuration requires the drydock to be moved[5] from its mooring to the west and south in order to submerge and dock or undock a vessel each time a vessel comes in for drydock servicing. When a wide-bodied vessel is positioned adjacent to Pier 3 North, the size of the vessel prevents the drydock from being moved into its submergence location. Dredging and relocation of the mooring dolphins would allow the drydock to submerge and lift vessels in place without the need for the drydock to be moved. This would improve operational efficiencies because wide-bodied vessels could be moored at Pier 3 North concurrently with drydocked vessels while under repair at the Pride of San Diego drydock. Accordingly, this would eliminate the need to run the diesel engines of two separate vessels concurrently during docking and undocking activities as well as the need for tugboats to move the drydock. In addition, Project Element 1 proposes to dredge sediment around the Pride of San Diego ramp wharf and eastern mooring dolphin. This would remove potentially contaminated sediment that was not accessible during the remedial dredging that occurred in 2015 under Regional Water Quality Control Board (RWQCB) mandated Cleanup and Abatement Order (CAO) No. R9-2012-0024. During remedial activities, sand, including gravelly sand, was placed in areas that were not accessible. Proposed replacement of the mooring dolphins may allow access to these areas; therefore, potentially contaminated gravelly sand, sand, and sediment may be removed during dredging.

In total, Project Element 1 proposes to dredge approximately 98,800 cubic yards (cy) of material. Based on preliminary assessments conducted by the project proponent, it was conservatively estimated that 20 percent of the dredge material for Project Element 1 would contain contaminated sediment, although additional analysis indicates the estimate may be closer to 11 percent.[6]

Therefore, the analysis assumes approximately 80 to 89 percent of all dredged materials for Project Element 1 would be disposed of at an approved Ocean Dredge Material Disposal Site (i.e., U.S. Environmental Protection Agency [EPA] disposal site LA-5); the remaining 11 to 20 percent would be unsuitable for unconfined aquatic disposal, per U.S. Army Corps of Engineers (USACE) and EPA disposal criteria, and would be transported to an approved disposal facility capable of accepting contaminated sediments. It should be noted that, in the event that unconfined aquatic disposal is not suitable, only approximately 15,280 cy of the proposed 98,800 total cy of sediment would be dredged to comply with CAO No. R9-2012-0024.

The following actions are proposed as part of Project Element 1:

- Shifting the Pride of San Diego drydock west by approximately 100 feet.
- Replacing two existing 17.5- by 21-foot mooring dolphins (368 square feet for each dolphin), including removing twenty-six 18-inch-square concrete piles and 85 cy of concrete caps and installing thirty-eight 24-inch octagonal precast concrete piles with 900 total square feet of surface area.
    - Demolition of the existing mooring dolphins, concrete piles, and concrete caps would generate approximately 1,005 cy of debris.

[4] A *sump* is defined as a pit or other type of hollow area that collects liquids.

[5] Referred to as *translated*. *Translation* means to move the dock in a specific direction—north, south, east, or west.

[6] Where applicable, the more conservative estimate is used for analysis purposes.

- Relocating the drydock sump, which would require dredging to -70 feet mean lower low water (MLLW). The following dredging specifics are proposed:
    - Dredging approximately 98,800 cy[7] of material, including 2 feet of overdepth, consisting of:
        - 81,400 cy within District (leasing) jurisdiction.
        - 17,400 cy within CCC (permitting) jurisdiction.
    - Disposing of up to approximately 19,800 cy of dredged material (i.e., up to 20 percent of the total dredged material) at an approved upland disposal site, such as the Otay Landfill.
    - Disposing of up to approximately 87,900 cy of dredged material (i.e., up to 89 percent of the total dredged material) at the Ocean Dredge Material Disposal Site (i.e., EPA's San Diego disposal site LA-5).
    - Transporting up to 36 scows[8] (2,500 cy capacity each) to the LA-5 disposal site.

Dredging operations, including equipment maintenance activities, shift changes, barge changes, and movement about the site would be conducted 24 hours per day, 7 days a week, for 100 days.

Pride of San Diego Drydock Wharf Replacement and Realignment (Project Element 2)

Once drydock dredging and moorage replacement have been completed (i.e., Project Element 1), wharf and ramp modifications would be needed. Specifically, Project Element 2 would extend the existing Pride of San Diego wharf to provide a material handling area adjacent to the northeastern portion of the drydock and encompass the eastern gripper[9] mooring dolphin. An apron would be installed at the end of the drydock, while a new pedestrian access ramp and support platform would be installed on the south side of the drydock to minimize the number of in-water structures required to access and support the drydock at its proposed new location. The new replacement structure would be incorporated into the existing Pride of San Diego wharf ramp.

For the purposes of this analysis, complete demolition and construction activities are assumed, which would be the reasonably foreseeable worst-case scenario. The following actions are proposed as part of Project Element 2.

- Demolishing 5,540 square feet of existing wharf and twenty 18-inch piles, which would generate approximately 408 cy of debris.
- Installing 12,500 square feet of cast-in-place decking on 73 octagonal piles[10] and six concrete precast piles,[11] extending from the existing wharf structure to northeastern portion of the Pride of San Diego drydock. New in-water structures (fixed) associated with the new wharf would be built to an increased elevation of +12 feet MLLW.

[7] Volume based on pre-dredge bathymetric survey data from CLE Engineering, composite surveys dated February 2017 and January 2016, and conceptual dredging volumes provided by Anchor QEA, dated July 2019.

[8] A *scow* is a low, flat barge-like vessel used to carry material.

[9] A gripper is a mechanical feature of a mooring system, used for securing floating drydocks to a mooring dolphin.

[10] Octagonal piles are eight-sided concrete support structures.

[11] *Precast piles* are concrete piles that are formed in circular, square, rectangular, or octagonal shapes. Precast piles are manufactured in a casting yard before transport to the project site.

- Installing an apron[12] at the end of the drydock and a new pedestrian access ramp and support platform on the south side for material handling adjacent to the drydock.

Fender System Repair and Replacement (Project Element 3)

The existing fender[13] systems are experiencing natural deterioration due to age and routine damage from decades of use. New fenders are required where shoreline features have been reconstructed.

The following actions are proposed as part of Project Element 3.

- Removing and replacing in place the 503 existing 14-inch by 89-foot steel H-pile[14] fenders. Removal of the existing fenders would generate approximately 269 cy of debris.
- Installing 122 new steel H-pile fenders, for a total of 625 fenders. The new fender locations are as follows:
    - Bulkhead installation at the south side of Pier 1, resulting from remediation and fill of the former marine railways in 2004.
    - Bulkhead replacement along the shoreline south of Pier 3 to the southern property line.
    - The west-facing perimeter of the proposed new marginal wharf area associated with Pier 3 North Lunchroom Wharf Replacement and Realignment (Project Element 6).

In addition, fenders are occasionally damaged when struck by vessels, in which case they need to be replaced quickly in order to provide safe moorage for vessels. Therefore, for analysis purposes, it is assumed that up to 39 steel H-pile fenders per year would be replaced over the life of the existing lease (until 2034).

Pier 3 South Nearshore Dredging (Project Element 4)

Dredged material has entered the Pier 3 berth sump; therefore, this project element proposes to dredge approximately 15,000 cy of material. In addition, the Pier 3 sump requires modification for safe passage of tugboats while maneuvering large ships.

The following actions are proposed as part of Project Element 4:

- Dredging approximately 15,000 cy from the toes of the dredge sump to the limit line elevation of the new bulkhead (-17 feet MLLW). Dredging would extend to an operational depth of -35 feet MLLW plus 2 feet of overdepth dredging.
- Placing dredged material directly onto dredge scows, with no stockpiling of materials on the site; loading directly onto trucks from the scows; and disposing of materials. Dredged material is dewatered, treated, and disposed of in accordance with existing permit and landfill requirements.

Dredging operations, including equipment maintenance activities, shift changes, barge changes, and movement about the site would occur 24 hours per day, 7 days per week, for 69 days.

[12] An *apron* is the space allotted for maneuvering a vehicle into alignment with the dock.

[13] A *fender* is a piece of equipment that protects a pier, berth, jetty, or other vessel from a berthing vessel. Fenders are typically made of rubber, foam, or plastic in order to absorb energy from the berthing vessel.

[14] A *steel H-pile* is an in-water support structure with a cross beam that forms an H-like shape.

For Project Element 4, the extent of contamination within the sediment in this area is currently unknown. Therefore, there are two scenarios under consideration for disposal of dredged materials:

- The **50/50 Scenario** assumes that half of the total dredged material (7,500 cy) generated during Project Element 4 would be suitable for ocean disposal and half (7,500 cy) would require upland disposal. This scenario would result in approximately three scows to dispose of the material at the ocean disposal site, with each scow trip conveying 2,500 cy. The remaining half of the dredged material would be taken to upland locations using haul trucks with an estimated 15 cy capacity per truck.
- The **All-Truck Scenario** assumes that all dredged material (15,000 cy) would be disposed of at an upland location using haul trucks with an estimated 15 cy capacity per truck.

Pier 3 Mooring Dolphin (Project Element 5)

Installation of an additional mooring dolphin would be necessary to ensure safe vessel moorage, especially during extreme storm surge or other climatic conditions (e.g., wind and tide). The mooring dolphin would provide a fixed structure for securing the bow of large vessels and be designed consistent with existing mooring dolphins at the BAE Systems facility. The proposed new mooring dolphin would be entirely within CCC's jurisdiction.

The following actions are proposed as part of Project Element 5:

- Installing one 16- by 20-foot, 3-foot-thick mooring dolphin 970 feet offshore (i.e., 270 feet west of the U.S. Pierhead Line). The height of the new mooring dolphin would extend to +13 feet MLLW. The following components are proposed for the new mooring dolphin:
  - Eight 24-inch concrete octagonal piles.
  - Two 150-ton double bitts.[15]

Sixteen steel H-pile fenders, 12 cylindrical fenders, whalers,[16] and chocks[17] around the perimeter of the proposed mooring dolphin.

Pier 3 North Lunchroom Wharf Replacement and Realignment (Project Element 6)

The Pier 3 wharf is a timber structure at the northern foot of Pier 3 that is aging and in need of replacement. The timber deck, which is supported by twenty-seven 12-inch-square precast concrete piles, was originally installed in the 1950s or 1960s but underwent significant modifications in 1985. The structure is currently used by employees during lunch breaks. In addition, an open area, which is currently surrounded by structures, would be covered. As part of the replacement, dredging may remove potentially contaminated sediment that was not accessible during the remedial dredging associated with CAO No. R9-2012-0024. An estimated 2,000 cy of potentially contaminated sediment would be dredged from this area (Anchor QEA 2019).

The following actions are proposed as part of Project Element 6:

[15] A *double bitt* is a type of bollard with two metal protrusions, which are used to secure lines from vessels to a dock. (A *bollard* is a short, thick post on the deck of a ship, or a wharf, for securing lines from a ship.)

[16] *Whalers* are the large wooden crossbars that support the bulkhead, which is part of the pier. (The *bulkhead*, as defined here, refers to a retaining wall along the waterfront.)

[17] *Chocks* are metal fixtures that hold lines in position so that vessels can tie up to a bollard, bitt, etc.

- Demolishing the existing overwater, 1,150-square-foot restroom structure; removing 2,915 square feet of wood decking; and removing 595 square feet of metal. Removal of these existing materials would generate approximately 77 cy of debris.
- Removing twenty-seven 12-inch concrete pilings and one H-pile.
- Installing forty-eight 24-inch octagonal pre-cast concrete pilings.
- Constructing a new overwater structure consisting of 8,800 square feet of cast-in-place decking (including a berm edge and stormwater collection system) to replace the existing overwater structure that would be demolished. The height of the new decking would extend to +13 feet MLLW.
- Dredging approximately 2,000 cy of material from beneath the Pier 3 break area and disposing of it at an approved upland disposal site, such as the Otay Landfill.

Quay Wall Modifications (Project Element 7)

A rock revetment slope is affecting vessel mooring and requires reinstallation. The following actions are proposed as part of Project Element 7:

- Dredging 300 cy of rock, which would be disposed of at a local recycling facility.
- Dredging 500 cy of sediment in the immediate vicinity of the submerged sheet pile structure, which would be disposed of at an approved upland disposal site, such as the Otay Landfill.
- Installing up to 50 linear feet of a submerged sheet pile structure.

Port Security Barrier Replacement (Project Element 8)

A Port Security Barrier (PSB) is maintained around the facility, as required by the U.S. Navy, for vessels within the BAE Systems facility. The PSB deters small craft from approaching Navy vessels while they are undergoing repair. The U.S. Navy has instituted newer, stricter requirements for the PSB system, resulting in the need to replace the existing PSB with a new design. The proposed new PSB would be partially within CCC jurisdiction.

The following actions are proposed as part of Project Element 8:

- Removing the existing 3,500-linear-foot floating boom and replacing it with a new 3,500-foot hard barrier. The new PSB includes the following components:
    - Ten 8- by 7.55-foot buoys secured by three anchors per buoy location.
    - 3,500 linear feet of hard barrier (PSB-T or PSB-V type) with navigational aid lights.
- Removing and disposing of the existing barrier, buoys, and anchors. Disposing of 3,500 linear feet, or approximately 120 cy, of debris, and recycling 13 tons of scrap steel and 19 cy of concrete.

Small-Boat Mooring Float Replacement (Project Element 9)

The small-boat mooring float allows personnel and materials to be deployed for waterfront facility maintenance and inspection as well as other surveillance activities, including drills and exercises, conducted on site. In addition, as part of the enhanced site security requirements instituted by the

U.S. Navy, BAE Systems is required to maintain on-water security, including security patrol vessels. The following actions are proposed as part of Project Element 9:

- Removing and replacing four piles that support the float.
- Replacing the existing 320-square-foot aged timber moorage float system (160 square feet for each float) with two 200-square-foot concrete floats. The new floats would include one 45-foot-long aluminum gangway, low-voltage electrical service, and potable water.
- Installing four 18-inch-round precast concrete piles.

Central Tool Room Demolition and Reconstruction (Project Element 10)

The existing central tool room is an aging structure at the foot of Pier 3, on the south side of the project site. The structure would be demolished, and a new tool room would be constructed on the proposed new wharf structure (as proposed as part of the Pier 3 North Lunchroom Wharf Replacement and Realignment [Project Element 6]). The following actions are proposed as part of Project Element 10:

- Demolishing the existing 2,000-square-foot central tool room structure, which would generate approximately 16 cy of debris.
- Excavating approximately 150 cy of soil to a maximum depth of 2 feet for the new building foundation. The majority of the excavated soil material would be recompacted and used as the base for new asphalt.
- Constructing a three-story replacement structure that would provide an approximately 21,900-square-foot work space and a 7,300-square-foot building footprint. The height of the proposed new building would extend to +50 feet MLLW.
- Replacing the existing Pier 3 restroom facilities within the new central tool room or incorporating the existing Pier 3 restrooms into the new structure.
- Providing utilities and related infrastructure (e.g., potable water, sanitary sewer service, compressed air, natural gas, electrical, computer, communications) within the new tool room.

New Production Building (Project Element 11)

Project Element 11 would involve demolishing the existing production building and constructing a new production building near the existing Building 6/7. This proposed building would increase the efficiency of material assembly. The first floor of the new structure would be used for production and equipped with an overhead bridge crane. The second and third floors would contain engineering, production support, and administration functions. The following actions are proposed as part of Project Element 11:

- Demolishing the existing 17,675-square-foot production building, which would generate approximately 698 cy of debris.
- Excavating approximately 2,600 cy of soil to a maximum depth of 4 feet for the new building foundation. The majority of the excavated material would be reused as backfill around foundations or for the concrete slab under the new production building. However, it is

anticipated that approximately 400 cy of excavated soil material would not be suitable for reuse and therefore would be disposed of at an approved upland disposal site.

- Constructing a new three-story production building with a 48,379-square-foot work space and a 16,475-square-foot footprint, with a height of up to 50 feet.
- Installing an overhead bridge crane within the first floor of the new production building.

Administrative Office Building (Project Element 12)

The existing offices are trailers that BAE Systems rents/leases for customer use in support of ship repair contracts performed on the site. These facilities provide space for the government contracts, quality assurance, and program management personnel who have been assigned to these contracts. This project element includes construction of permanent administrative office spaces. The first floor would contain production spaces, a tool room, and restroom. The second and third floors would contain office space and a break room. The new administrative office building would accommodate existing personnel, with the intention of reducing/eliminating the need for double and triple occupancies, which currently occur at several work stations in the production spaces throughout the project site.

The following actions are proposed as part of Project Element 12:

- Disassembling and removing four trailers, totaling approximately 8,016 square feet, which would generate approximately 150 cy of debris.
- Demolishing approximately 8,600 square feet of asphalt pavement and excavating for water and sewer service piping, footings/foundations, and general recompaction activities. It is anticipated that approximately 650 cy of soil material would be excavated to a maximum depth of 5 feet and a maximum of 200 cy of material would be disposed of at an approved upland disposal site.
- Constructing a new three-story administrative office building with approximately 46,000 square feet of work space, a building footprint of 16,000 square feet, and a height of up to 55 feet.

Pier 1 Restroom Renovation and/or Demolition (Project Element 13)

The existing 506-square-foot restroom facility requires reconfiguration to increase capacity and improve functionality for employees, customers, and contractors. The restrooms would be retrofitted with more water efficient fixtures, LED lighting, and other features to increase utility and efficiency.

As an alternative, upon completion of Project Element 12 (Administrative Office Building), which includes a restroom facility, the Pier 1 restroom may be demolished if it is determined that it is no longer needed. The demolition would generate approximately 51 cy of debris, and excavation would be limited to removal of the buried piping to the Pier 1 lift station. It is anticipated that approximately 40 cy of soil material would be excavated to a maximum depth of 5 feet, and 10 cy of material would be disposed of at an approved upland disposal site.

Main Electric Utility Service Update (Project Element 14)

Project Element 14 would reconfigure the electrical utility distribution system in Building 13. This would involve relocation of the San Diego Gas & Electric main in Building 13 to Building 65, alongside East Belt Street, adjacent to the shipyard's existing four-way switch. Relocation of this electrical main would increase overall site safety by allowing San Diego Gas & Electric technicians access to critical electrical components outside the secure property perimeter. In addition, this project element would also provide additional space in the Building 13 electrical room, allowing BAE Systems to reconfigure and/or modernize the electrical equipment as needed. The following actions are proposed as part of Project Element 14:

- Replacing and upgrading electrical distribution equipment to ensure reliability and protect site infrastructure.
- Relocating the existing San Diego Gas & Electric main (i.e., meter) from Building 13 to Building 65. Existing electrical conduits within the project site would be reused to pull electrical cables to the relocated main in Building 65.

Sanitary Sewer and Potable Water Utility Services (Project Element 15)

The existing sanitary sewer and potable water service feeds have not been modified since the original installation in 1983. The hotel service requirements of current naval and commercial vessels necessitate improvements to sanitary sewer and potable water services. If implemented, this project element would include the replacement of existing sanitary and potable water feeds currently connected to existing utility services, which would require minor trenching. At this time, the exact locations and details of the specific sanitary and potable water feeds that would be replaced is unknown. Therefore, it is assumed that these improvements could occur throughout the project site.

Appendix G

BAE Systems Waterfront Improvements Transportation Impact Study (TIS), Vehicle Miles Traveled – SB 743 Analysis

Transportation Impact Study

Vehicle Miles Traveled – SB 743 Analysis

BAE Systems Waterfront Improvements

Draft Report

Prepared for:

San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101

ICF
525 B Street, Suite 1700
San Diego, CA 92101

Prepared by:

CHEN RYAN

3900 5th Avenue, Suite 310
San Diego, CA 92103

June 2020

Table of Contents

1.0 Introduction 1
1.1 Project Description 1
1.2 Report Organization 3
2.0 Analysis Methodology and Threshold 4
2.1 Background (SB-743) 4
2.2 Analysis Guidelines and Significance Thresholds 4
3.0 Transportation Impact & Mitigation 6
3.1 VMT Impact Analysis 6
3.2 Mitigation 7
3.3 Construction Analysis 7

List of Figures

Figure 1-1 Regional Location 2

List of Tables

Table 3.1 VMT Analysis Results Impact Analysis 6

Appendices

Appendix A Construction Schedule Vessel Crew & Labor Comparison
Appendix B VMT Methodology
Appendix C SANDAG SB-743 VMT Analysis Results

1.0 Introduction

The purpose of this Transportation Impact Study (TIS) is to identify and document any significant transportation related impacts associated with the maintenance and enhancement of BAE Systems (Proposed Project), and to recommend mitigation measures for identified impacts, as necessary.

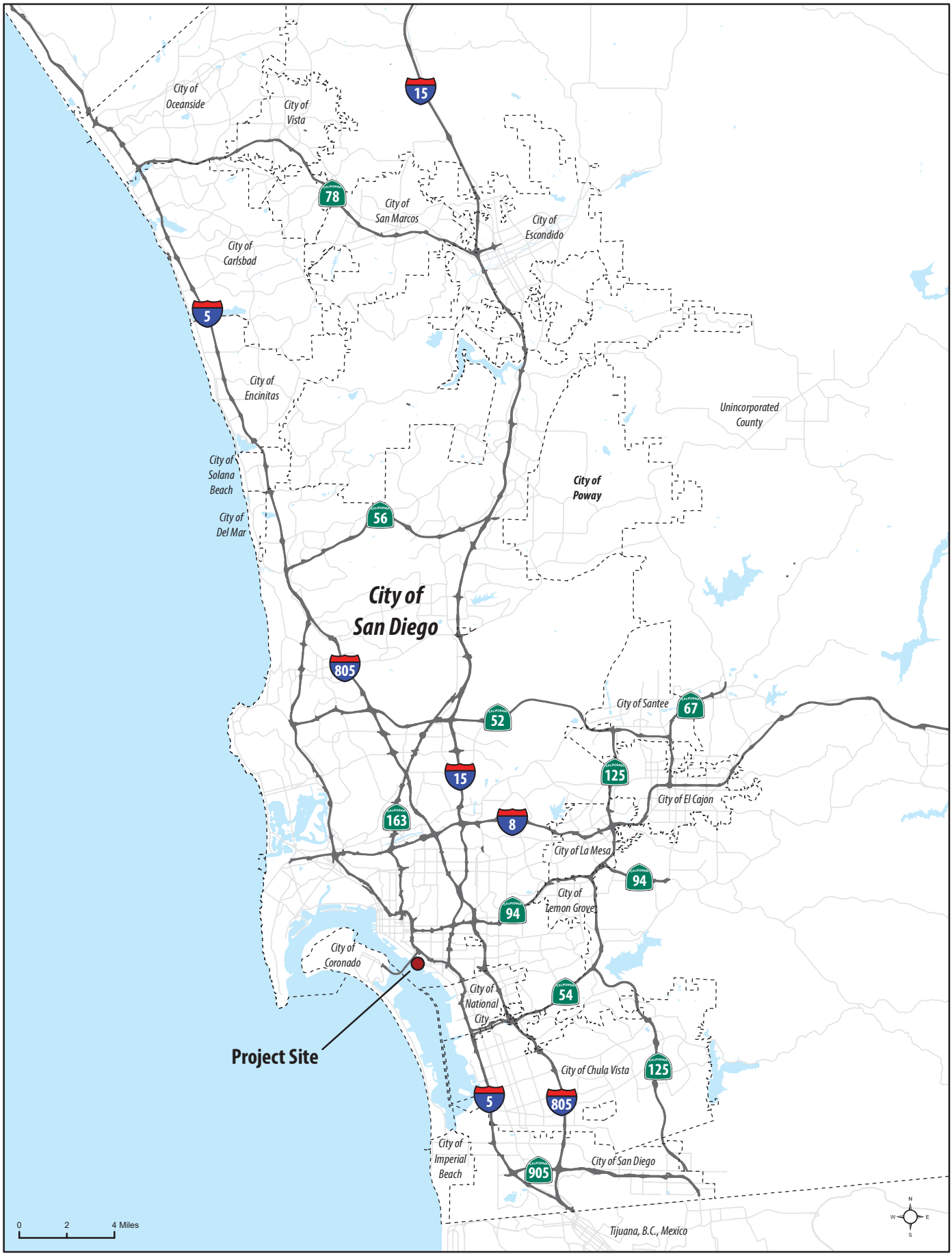
1.1 Project Description

BAE Systems San Diego Ship Repair, Inc. (BAE Systems), is a ship repair company in the San Diego area, serving primarily non-nuclear Navy vessels but also commercial customers. BAE Systems currently leases 9.8 acres of land and 16.6 acres of water from the District. This lease is scheduled to expire in 2034. In addition, BAE Systems currently occupies a parcel pursuant to a now-expired 5-year Tidelands Use and Occupancy Permit (TUOP) from the District for an additional 2.0 acres of land and 4.0 acres of water. As a result, BAE Systems leases approximately 11.8 acres of land area and approximately 20.6 acres of water area from the District. In addition to these leased and permitted areas, BAE Systems leases 3.5 acres of submerged land from the District. These submerged lands were originally leased from the California State Lands Commission (SLC). However, effective January 1, 2020, this area was transferred to the District's jurisdiction per Senate Bill (SB) 507, which granted and conveyed in trust to the District all right title, and interest in certain tidelands and submerged lands, as enumerated in SB 507. BAE Systems' lease with the SLC was transferred to the District. The total acreage occupied by BAE Systems (including the TUOP parcel) pursuant to agreements with the District makes up the BAE Systems San Diego Ship Repair Yard (project site). The regional location of the Proposed Project is displayed in **Figure 1-1**.

BAE Systems, as the project proponent, is proposing a maintenance, repair, and replacement project for waterfront infrastructure associated with mooring and operational facilities at its San Diego Ship Repair Yard. The BAE Systems Waterfront Improvement Project (project or proposed project) includes 15 distinct project elements. Briefly, the proposed project includes the following.

- Replacement and realignment of the Pride of San Diego drydock access wharf and ramp, along with several associated improvements.
- Replacement and realignment of the Pier 3 wharf structure, along with other associated improvements.
- Replacement of aging or inefficient facilities, including offices, the production building, the central tool room, and restrooms.
- Implement mooring infrastructure improvements to ensure safety and accommodate the newer and different classes of vessels to be moored and repaired on the site.
- Upgrade electrical and potable water utility infrastructure.

The anticipated changes to labor and crew size, with and without the project, are outlined in in **Appendix A.**



BAE Systems Waterfront Improvements
Transportation Impact Analysis
CHEN RYAN

Figure 1
Project Regional Location

1.2 Report Organization

Following this Introduction chapter, this report is organized into the following sections:

2.0 *Analysis Methodology* – This chapter describes the methodologies and standards utilized to analyze and identify the transportation related impacts associated with the Proposed Project.

3.0 *Transportation Related Impacts and Mitigation* – This chapter derives and analyzes the projected Vehicle Miles Traveled (VMT) that will be generated by the Proposed Project. This chapter also identifies if the Proposed Project related VMT would create significant project related impact, as it relates to the standards outlined in the California Environmental Quality Act (CEQA). Finally, the chapter provides recommendations for mitigation measures to reduce the identified transportation related impacts to less than significant levels, if necessary and evaluates the feasibility of the proposed mitigation measures.

2.0 Analysis Methodology and Threshold

This TIS was conducted in accordance with the California Environmental Quality Act (CEQA) Statutes and Guidelines.

2.1 Background (SB-743)

On September 27, 2013, Governor Edmund G. Brown, Jr. signed SB-743 into law, starting a process that is expected to fundamentally change the way transportation impact analysis is conducted under CEQA. Within the State's CEQA Guidelines, these changes will include elimination of auto delay, level of service (LOS), and similar measurements of vehicular roadway capacity and traffic congestion as the basis for determining significant impacts.

On December 2018, the Resources Agency certified and adopted the CEQA Guidelines update package, which included the California Natural Resources Agency Guidelines for the Implementation of the California Environmental Quality Act. As a result, the California Governor's Office of Planning and Research (OPR) updated and released the *Technical Advisory on Evaluating Transportation Impacts in CEQA (Technical Advisory)* in December 2018. According to the updated guidelines, lead agencies will have until July 1, 2020 to comply with the updated CEQA revision.

2.2 Analysis Guidelines and Significance Thresholds

In response to the implementation of SB-743, the District is anticipated to utilize the standards and thresholds recommended by ORP in the Technical Advisory to determine transportation related impacts. For land use development projects that have trip-making characteristics like an employment trip, such as the Proposed Project's industrial terminal, OPR recommends using VMT/employee to determine if a project has a significant transportation related impact.

VMT/Employee includes all vehicle-based person trips grouped and summed to the work location of individuals on the trip. This includes all trips, not just work-related trips. The VMT for each work location is then summed for all work locations in a particular census tract and then divided by the total number of employees of that census tract to arrive at the VMT/Employee. OPR suggest that a Proposed Project that generates a VMT/Employee great than 85 percent of the existing regional VMT may indicate a significant transportation impact.

Detailed descriptions of the VMT methodology is provided Appendix B.

2.2.1 Analysis Tool

The SANDAG Series 13 Activity Based Model (ABM) was utilized for this effort to determine the Proposed Project related VMT per Employee. The ABM is a travel demand forecasting model incorporates census data and travel surveys to inform the algorithms of the model's projections. It uses a simulated population based on existing and projected demographics to match residents to employment and forecasts the daily travel on the regional transportation network. In addition, the model is able to track the daily travel of individuals in the simulated population, including origins, destinations, travel distances and mode choices. The Series 13 ABM has four (4) forecast scenarios: 2012, 2020, 2035, and 2050.

The SANDAG Series 13 Activity Based Model (ABM) was customized by the District, the San Diego International Airport (SDIA) and the City of San Diego the to incorporate the land use and transportation network changes proposed within the area, based on a series of recently adopted or on-going planning efforts. These efforts include the Port Master Plan Update, SDIA Master Plan, Midway-Pacific Highway Community Plan Update, Mission Valley Community Plan Update, Barrio Logan Community Plan Update, and the Downtown Mobility Plan. This was a comprehensive effort by all jurisdictions to provide consistency between the on-going planning efforts within the area by providing a single transportation forecast model to build off of.

To calculate both the VMT/Employee and the total VMT generated, the land use changes were coded into their respective Transportation Analysis Zones (TAZ) and transportation network changes were also coded throughout the Tidelands. Select Zone Assignments were then conducted for the TAZs to track origin and destination pairings, as well as the routes choices for vehicular trips coming to and from the Districts land uses. The total VMT generated within the planning district in which the Proposed Project is located was calculated based on the total number of trips (all trip types) generated between the by District land uses then multiplying by the route distance between them. VMT/Employee was calculated by summing the total VMT generated by employees and then divided by the total number of jobs.

A detailed description of how the SANDAG Model calculates VMT is provided at the following location: https://www.sandag.org/uploads/2050RTP/F2050RTPTA15.pdf

.

3.0 Transportation Impact & Mitigation

This chapter derives and analyzes the projected VMT that will be generated by the Proposed Project. This chapter also identifies if the Proposed Project related VMT would create significant project related impact, as it relates to the standards outlined in the California Environmental Quality Act (CEQA) and the draft Guidelines. Finally, the chapter provides recommendations for mitigation measures that may reduce the Proposed Project's impacts to less than significant levels, and evaluates the feasibility of the proposed mitigation measures, if necessary.

3.1 VMT Impact Analysis

To calculate the average VMT/Employee generated by the Proposed Project, the Proposed Project land uses, described in Section 1.1, were incorporated into the SANDAG Series 13 Year 2050 Regional Model. A Select Zone assignment was conducted for the Proposed Project Transportation Analysis Zone (TAZ) which tracked and calculated the Proposed Project VMT by user type. The results of the Select Zone assignment are provided in **Table 3.1.** Model output results are presented in **Appendix C.**

Table 3.1 VMT Analysis Results Impact Analysis

Metric	Commercial Uses VMT/Employee (miles/person)
Base Year Regional Average	25.9
Significant Impact Threshold[1]	22.0
Proposed Project	17.2
Proposed Project vs Significant Impact Threshold	4.8 miles under 66.4% over
2050 Regional Average	21.2
Significant Impact Threshold	18.0
Proposed Project[2]	17.2
Proposed Project vs Significant Impact Threshold	0.8 miles under 81.1%
Significant Impact	**No**

Source: SANDAG Regional Transportation Model, July 2019

Notes:
[1]San Diego Regional Average X 85% (See Table 2.1)

To determine potential transportation related impacts, the Proposed Project's VMT is first compared against the Base Year Regional Average threshold. Next, a Horizon Year 2050 analysis was conducted to identify any cumulative impacts that may occur with the full implementation of the forthcoming Port Master Plan Update, which is a reasonably foreseeable condition. It should be noted that the Proposed Project land uses are consistent with those contained in both the current Port Master Plan as well as the forth coming Port Master Plan Update.

As shown in Table 3.1, the Proposed Project's employment uses are anticipated to generate an average VMT/Employee of 17.2 miles, which is 4.8 miles under the Base Year average significance threshold. Therefore, the Proposed Project would have a less than significant transportation related impact under Base Year (Direct) conditions. Additionally, the Proposed Project VMT is 0.8 mile under the 2050 Regional Average significance threshold. Therefore, the employment uses within the Proposed Project would have a less than significant transportation related impact under cumulative conditions.

Finally, it should be noted that the Proposed Project's lease expires in 2034. It is anticipated that the VMT per employee threshold for Year 2034 conditions would fall between the Year 2050 threshold (18 vehicle miles per employee) and the Base Year threshold (22 vehicle miles per employee). Therefore, since the Proposed Project's VMT per employee is lower than both the Year 2050 and Base Year thresholds, it can also be assumed that it will be below the Year 2034 threshold as well resulting in a less than significant impact under year 2034 conditions.

3.2 Mitigation

The Proposed Project does not result in a significant transportation related impact; therefore, no mitigation is required.

3.3 Construction Analysis

The BAE Systems Waterfront Improvement Project is composed of 15 individual project elements that span a 3.75-year period from 2021 to 2025. Construction of the Proposed Project would include grading, paving, infrastructure construction, and electrical and utility upgrades.

Construction workers VMT is not newly generated; instead, it is redistributed throughout the network based on their travel to different work sites each day; therefore, they are not generating new VMT each day, only redistributing it. It is important to note that construction traffic is temporary and not expected to significantly increase VMT or permanently degrade operations of a roadway facility. This redistribution is considered to be nominal and momentary. Additionally, per OPR's *Technical Advisory*, SB 743's intent is to plan for "long term climate goals"[1], so project's with temporary affects to VMT and the transportation system are not deemed to be significant. Consequently, it is assumed that the transportation impacts would be less than significant during the construction of the Proposed Project.

[1] Page 10 of OPR's *Technical Advisory* states "Based on OPR's extensive review of the applicable research, and in light of an assessment by the California Air Resources Board quantifying the need for VMT reduction in order to meet the State's long-term climate goals...."

Appendix A
Construction Schedule
Vessel Crew & Labor Comparison

Vessel Crew and Labor Comparison Before and After Project (LHD at Pier 3 South)

		Existing Vessel Crew and Labor Size						Proposed Vessel Crew and Labor Size						Delta[3]
Scenario						Subtotal	Total					Subtotal	Total	
1	Pier[1]	3S	3N	4S	4N		2,216	3S	3N	4S	4N		1,844	-372
	Ship Type[2]	CG	DDG	DDG	CG			LHD	None	DDG	None			
	Crew	272	278	278	272	1,100		966	0	278	0	1,244		
	Labor	279	279	279	279	1,116		321	0	279	0	600		
2	Pier[1]	3S	3N	4S	4N		1,974	3S	3N	4S	4N		1,838	-136
	Ship Type[2]	LSD	LPD	DDG	CG			LHD	None	CG	None			
	Crew	318	266	278	272	1,134		966	0	272	0	1,238		
	Labor	141	141	279	279	840		321	0	279	0	600		
3	Pier[1]	3S	3N	4S	4N		1,572	3S	3N	4S	4N		1,447	-125
	Ship Type[2]	LSD	DDG	LCS	CG			LHD	None	LCS	None			
	Crew	318	278	35	272	903		966	0	35	0	1,001		
	Labor	141	124	125	279	669		321	0	125	0	446		

[1] 3S = Pier 3 South; 3N = Pier 3 North; 4S = Pier 4 South; 4N = Pier 4 North.

[2] CG = Cruisers; DDG = Destroyers; LSD = Dock Landing Ships; LPD = Amphibious Transport Docks; LHD = Amphibious Assault Ship; LCS = Littoral Combat Ships.

[3] Delta is the overall change in crew and labor size between existing and proposed project conditions for each scenario.

Estimated Construction Schedule – To Be Used for Planning Purposes Only							
Project Element	Approximate Duration (months)	Crew Size	Trucks	Working Days	Daily Worker Trips	Daily Truck Trips	Daily Total Trips
Fender System Repair and Replacement (Fender Repair and Replacement)	0.75	6	60	19	12	7	19
Small Boat Mooring Float Replacement	1	5	7	24	10	1	11
Pride of San Diego Drydock Wharf Replacement and Realignment	4	13	256	64	26	8	34
Pride of San Diego Drydock Dredging and Moorage	3.25	12	1380	83	24	34	58
Quay Wall Modifications	1	10	10	24	20	1	21
Fender System Repair and Replacement (Fender System New Construction)	1.5	6	60	33	12	4	16
Port Security Barrier Replacement	2	6	75	45	12	4	16
Fender System Repair and Replacement (Fender System Maintenance and Replacement)	1.5	6	60	35	12	4	16
Pier 3 Lunchroom Wharf Replacement and Realignment	3.5	7	289	79	14	8	22
Electric Utility Service Update	3.5	5	5	78	10	1	11
Sanitary Sewer and Potable Water Utility Services	3	3	5	66	6	1	7

Estimated Construction Schedule – To Be Used for Planning Purposes Only							
Project Element	Approximate Duration (months)	Crew Size	Trucks	Working Days	Daily Worker Trips	Daily Truck Trips	Daily Total Trips
Pier 3 South Nearshore Dredging	2.25	10	1,000	69	20	29	49
Pier 3 Mooring Dolphin	1.5	5	24	32	10	2	12
New Production Building	9.25	16	258	201	32	3	35
Administrative Office Building	9.5	16	213	206	32	3	35
Pier 1 Restroom Renovation and/or Demolition	1	10	25	22	20	3	23
Central Tool Room Demolition and Reconstruction	7	13	22	152	26	1	27

Appendix B
VMT Methodology

SB 743 VMT METHODOLOGY AND GUIDELINES

In response to the implementation of SB-743, the District is anticipated to adopt new transportation impact study guidelines and standards prior to the mandatory implementation of SB-743 (July 1, 2020). The SB-743 framework was developed for the Port Master Plan Update (PMPU) Environmental Impact Report (EIR) and would also be applied for other District projects.

1.1.1 Analysis Metrics

For land use development projects, OPR requires that the following two metrics be analyzed to determine if a project has a significant transportation related impact:

- *VMT/Capita* Includes all vehicle-based person trips grouped and summed to the home location of individuals who are drivers or passengers on each trip. It includes both home-based and non-home-based trips. The VMT for each home is then summed for all homes in a particular census tract and divided by the population of that census tract to arrive at Resident VMT/Capita. However, since residential land uses are not permitted within the District, this metric was not utilized for the analysis contained within this report.
- *VMT/Employee* Includes all vehicle-based person trips grouped and summed to the work location of individuals on the trip. This includes all trips, not just work-related trips. The VMT for each work location is then summed for all work locations in a particular census tract and then divided by the total number of employees of that census tract to arrive at the VMT/Employee.
- *Total VMT* the sum of all vehicle trips generated in an area multiplied by their associated trip lengths. This total includes all the generated vehicle miles for Internal-to-Internal (I-I), Internal-to-External (I-E), and External-to-Internal (E-I) in the area. For this analysis, the Total VMT was calculated per Districts.

1.1.2 Analysis Tool

The SANDAG Series 13 Activity Based Model (ABM) was customized for the Port District's jurisdictional area and to incorporate the land use and transportation network changes proposed by the Port Master Plan Update. The ABM is a travel demand forecasting model that incorporates census data and travel surveys to inform the algorithms of the model's projections. It uses a simulated population based on existing and projected demographics to match residents to employment and forecasts the daily travel on the regional transportation network. In addition, the model is able to track the daily travel of individuals in the simulated population, including origins, destinations, travel distances and mode choices. The Series 13 ABM has four (4) forecast scenarios: 2012, 2020, 2035, and 2050. The different components of the PMPU are projected to be implemented over a period of time, so the most appropriate year to conduct the VMT/Capita and VMT/Employee is for 2050.

To calculate both the VMT/Employee and the total VMT generated within each planning district, the PMPU land uses were coded into their respective Transportation Analysis Zones (TAZ) and transportation network changes were also coded throughout the Tidelands. Select Zone Assignments were then conducted for the TAZs located in each planning district, to track origin and destination pairings, as well as the routes choices for vehicular trips coming to and from the Districts land uses. The total VMT generated within the planning district was calculated based on the total number of trips (all trip types) generated between the by District land uses then multiplying by the route distance between them. VMT/Employee was calculated by summing the total VMT generated specifically by employees within each planning district and then divided by the total number of jobs within the same planning district.

A detailed description of how the SANDAG Model calculates VMT is provided at the following location: https://www.sandag.org/uploads/2050RTP/F2050RTPTA15.pdf

1.2 Determination of Significance – CEQA

The CEQA Guidelines recommend use of automobile VMT, as the preferred CEQA transportation metric, along with the elimination of auto delay/LOS for CEQA purposes statewide. For land use projects, the Technical Advisory reports that research has shown that automobile VMT/Capita at the project level should be fifteen percent (15%) below those of existing development. This section presents the transportation significance criteria that are based on the thresholds identified in the OPR Technical Advisory.

Section 15064.3 (4) of the *CEQA Guidelines* state:

> A lead agency has discretion to choose the most appropriate methodology to evaluate a project's vehicle miles traveled, including whether to express the change in absolute terms, per capita, per household or in any other measure. A lead agency may use models to estimate a project's vehicle miles traveled, and may revise those estimates to reflect professional judgment based on substantial evidence. Any assumptions used to estimate vehicle miles traveled and any revisions to model outputs should be documented and explained in the environmental document prepared for the project. The standard of adequacy in Section 15151 shall apply to the analysis described in this section.

To follow onto this standard, Section E.2 of the *OPR Technical Advisory* (pages 16 and 17) provides recommended thresholds for the following applicable District land uses[1]:

> Office: A PMPU exceeding a level of 15 percent below existing regional VMT per employee may indicate a significant transportation impact.
>
> Retail: A net increase in total VMT may indicate a significant transportation impact. Because new retail development typically redistributes shopping trips rather than creating new trips, estimating the total change in VMT (i.e., the difference in total VMT in the area affected with and without the project) is the best way to analyze a retail project's transportation impacts.
>
> Other Land Uses: Of land use projects, residential, office, and retail projects tend to have the greatest influence on VMT. For that reason, OPR recommends the quantified thresholds described above for purposes of analysis and mitigation. Lead agencies, using more location-specific information, may develop their own more specific thresholds, which may include other land use types. In developing thresholds for other project types, or thresholds different from those recommended here, lead agencies should consider the purposes described in section 21099 of the Public Resources Code and regulations in the *CEQA Guidelines* on the development of thresholds of significance (e.g., CEQA Guidelines, § 15064.7).
>
> Transportation Projects*:* The *CEQA Guidelines* indicate that a VMT analysis should be conducted for roadway capacity projects and the *OPR Technical Advisory* refers to the potential for induced travel, and its associated effects. Induced travel occurs when improvements to a roadway facility enhance traffic operations and/or relieve congestion to the point at which travelers have a higher incentive to make a vehicular trip in lieu of a different mode of travel, or not taking the trip at all. Appendix 2 of the OPR *Technical Advisory* identifies the following five factors that contribute to overall induced travel:
>
> 1. *Changes in Trip Length*: Roadway capacity could result in the ability to travel a longer distance in a shorter period of time, thereby making farther away destinations more attractive and resulting in longer trip lengths and more VMT.
> 2. *Changes in Mode Choice*: Roadway capacity could result in reduced automobile travel time, causing people to shift to automobile use from other travel modes, resulting in more auto trips and increased VMT.
> 3. *Route Changes*: Faster travel time may attract more drivers to a route with expanded capacity, which can increase or decrease vehicle travel depending on whether it shortens or lengthens trips.
> 4. *Newly Generated Trips*: Increasing travel speeds from added roadway capacity could induce additional vehicle trips, resulting in increased VMT.

[1] It should be noted that the *OPR Technical Advisory* also provides threshold recommendations for residential land uses; however, since the District is prohibited from allowing residential land uses, the recommendations were excluded from this framework.

5. *Land Use Changes*: Faster travel times from added roadway capacity could lead to land development farther out on the corridor, leading to a long-term incremental increase in trip lengths, resulting in increased VMT.

Additionally, there are several lands uses within the Tidelands that are not covered in the thresholds outlined above. Using the guidance provided under Other Land Uses, it is recommended that the District implement thresholds for the following user group:

Non-Commercial Employees: This would include all employees within the Tidelands that do not work within commercial offices or retail (which are both covered by the *OPR Technical Advisory*). Since the District has a diverse employment base, it would be difficult to categorize each employment group and compare their associated VMT/Employee rate to a comparable rate at the regional level. Additionally, most of the employment groups within the District have very similar travel patterns and trip generation rates (i.e. most employment is industrial or service based). Therefore, the average VMT/Employee for these uses were compared to the average non-commercial VMT/Employee rate at the regional level. If the District's average VMT/Employee rate is less than 15 percent below existing regional VMT/Employee rate, it may indicate a significant transportation related impact. See Table 2.1 for clarification on which land use would be applicable for this category.

Freight: Both the SB-743 legislation and the OPR Technical Advisory are silent on thresholds associated with freight. Since freight VMT is based upon the supply and demand of various goods throughout the nation, freight VMT typically cannot be lowered based upon standard TDM measures, local land use patterns, or other smart growth measures. Therefore, it is recommended that VMT related impacts for freight be based an increase in VMT by Cargo, either by ton or unit, from the current conditions and compliance with the *California Sustainable Freight Action Plan*, July 2016. These criteria will help to maintain the current freight conditions and emphasize the use of zero emission vehicles and alternative modes, such as rail and pipelines, whenever possible.

The *California Sustainable Freight Action Plan* sets the following vision for the State's future freight transportation system[2]:

> Utilize a partnership of federal, State, regional, local, community, and industry stakeholders to move freight in California on a modern, safe, integrated, and resilient system that continues to support California's economy, jobs, and healthy, livable communities. Transporting freight reliably and efficiently by zero emission equipment everywhere feasible, and near-zero emission equipment powered by clean, low-carbon renewable fuels everywhere else.

Executive Order B-32-15 directed the State agencies to establish targets to improve freight efficiency, transition to zero emission technologies, and increase the competitiveness of California's freight transport system. Below are the Targets set forth by the *California Sustainable Freight Action Plan* to meet this direction and track California's progress toward meeting the Vision and Guiding Principles of the Plan. It should be noted that the Targets are not mandates, but rather aspirational measures of progress toward sustainability for the State to meet and try

[2] Source: Section I.B. of the *California Sustainable Freight Action Plan*

to exceed. The State agencies will measure and report progress on the following statewide Targets, and will evaluate the Targets to determine necessary adjustments in 2019:

System Efficiency Target - Improve freight system efficiency 25 percent by increasing the value of goods and services produced from the freight sector, relative to the amount of carbon that it produces by 2030.

Transition to Zero Emission Technology Target - Deploy over 100,000 freight vehicles and equipment capable of zero emission operation and maximize near-zero emission freight vehicles and equipment powered by renewable energy by 2030.

Increased Competitiveness and Economic Growth Targets - Establish a target or targets for increased State competitiveness and future economic growth within the freight and goods movement industry based on a suite of common-sense economic competitiveness and growth metrics and models developed by a working group comprised of economists, experts, and industry. These targets and tools will support flexibility, efficiency, investment, and best business practices through State policies and programs that create a positive environment for growing freight volumes and jobs, while working with industry to mitigate potential negative economic impacts. The targets and tools will also help evaluate the strategies proposed under the Action Plan to ensure consideration of the impacts of actions on economic growth and competitiveness throughout the development and implementation process.

Table 1.1 provides a summary of the PMPU land uses, the recommended metric that would be used to evaluate their potential transportation related impact, and the recommended impact threshold.

Table 1.1: Evaluation Criteria & Impact Threshold

Land Use	Evaluation Criteria	Covered By OPR?	Impact Threshold
LAND			
Hotel Only (rooms)	VMT / Employee &	No	15% below regional average
Hotel w/ R&R (rooms)	VMT / Employee	No	15% below regional average
Retail (sq ft)	VMT with vs. without proposed retail change	Yes	No increase in total Planning District VMT
Restaurant (sq ft)	VMT with vs. without proposed retail change	No	No increase in total Planning District VMT
Retail & Restaurant - Standalone (sq ft)	VMT with vs. without proposed retail change	Yes	No increase in total Planning District VMT
Convention (sq ft)	VMT / Employee	No	15% below regional average
Institutional	Exempt	No	N/A
Industrial / Terminal	VMT / Employee	No	15% below regional average
Commercial Fishing	VMT / Employee	No	15% below regional average
Conservation Open Space	Exempt	No	N/A
Freight	VMT / Cargo (unit or ton)	No	No increase in VMT / Cargo
WATER			
Recreational Boat Berthing	VMT with vs. without proposed slips change	No	No increase in total Planning District VMT

Appendix C
SANDAG SB-743 VMT Analysis Results

Vehicle Miles of Travel Report

Scenario ID **1156** **Port Master Plan Update - PMPU1 - District 4 - Barrio Logan**

VMT per Resident

		Scenario ID	Residents	Total Trips	Person Miles of Travel	Vehicle Miles of Travel	VMT per Resident
Regionwide		1156	4,243,618	15,168,868	88,739,376	61,033,942	14.4
Jurisdiction	SAN DIEGO	1156	1,917,354	6,880,317	35,596,371	23,598,863	12.3
CPA	Barrio Logan	1156	12,317	42,073	178,511	89,167	7.2
Site	District 4 - Barrio Logan	1156	-	-	-	-	**0.0**

VMT per Employee

		Scenario ID	Employees	Total Trips	Person Miles of Travel	Vehicle Miles of Travel	VMT per Employee
Regionwide		1156	1,797,656	5,778,893	44,533,639	38,068,205	21.2
Jurisdiction	SAN DIEGO	1156	950,209	2,898,736	21,586,988	18,628,173	19.6
CPA	Barrio Logan	1156	13,591	37,395	251,439	214,499	15.8
Site	District 4 - Barrio Logan	1156	6,429	18,288	126,003	110,430	**17.2**

Report Generated: 11/27/19

SANDAG